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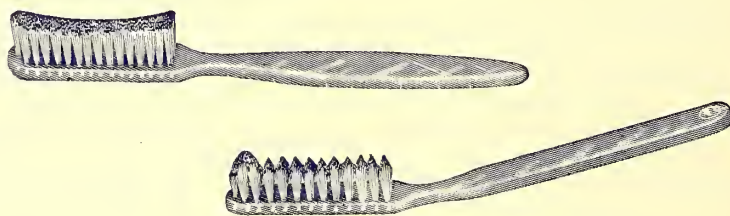
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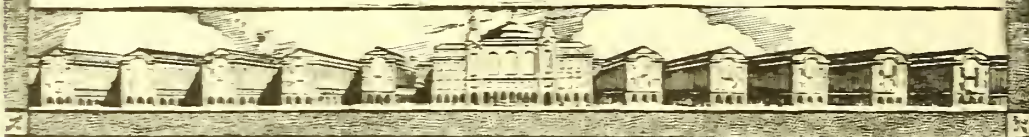
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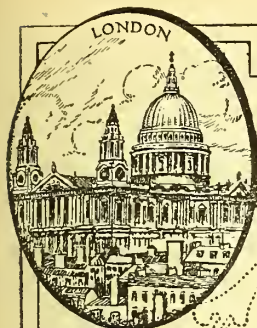
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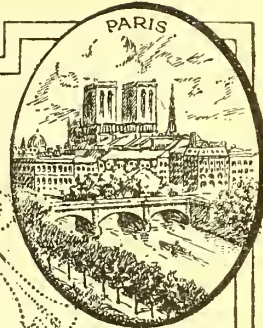
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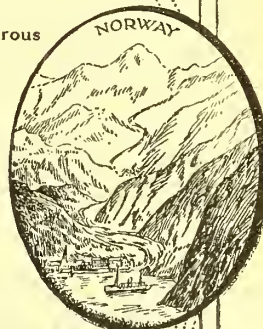
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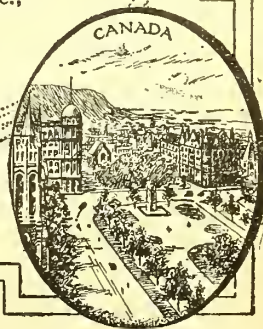
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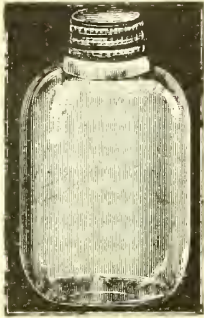


NEW YORK



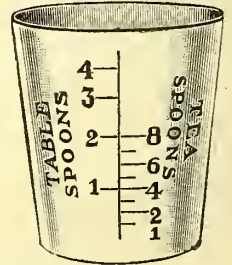
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BUY YOUR GLASS FROM STOCK



Without boasting, we have the largest London stocks of small and medium bottles. We cannot stock everything, but we can safely say that we have stock of the most saleable lines, including vials. Please communicate with us before ordering elsewhere.

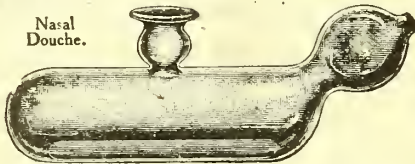
We have stocks of 8-oz. Plain or Graduated Tinted Medicals, also a few Reputed Pint Wickered Eau de Colognes



Telephone :
North 2770 (3 lines)

Telegrams :
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CHARLTON WORKS, CHARLTON PLACE,
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Warehouses also at Barnsbury and off City Road.

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(No. 633 MILL)

English Filter Papers

White and
Grey,
Plain,
Antique,
Crinkled and
Embossed.



All sizes in
Squares,
Circles and
Folded Filters.
Rolls made to
order.

*Several new Grades are now
successfully replacing the
best German makes.*

See Report of Tests made by The National
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MANUFACTURED IN ANNUALLY INCREASING
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**NEWFOUNDLAND NON-FREEZING
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OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL."

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

"John Bull"



MALT EXTRACT

IS THE BEST!!!

Wholesale & Export Only.

PAINE & CO., LTD., ST. NEOTS, HUNTS.

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NOTICE.

New and attractive lines will be brought out shortly, and an illustrated catalogue sent out. In the meantime we will send on application a supplementary list of lines in stock, popular in price and advantageous in sale.

We can also offer to advantage Perfumery in Bulk in two qualities—Essential Oils of guaranteed purity; Floral Ottos for Cachous, &c.; Fruit and Soluble Essences, Chemicals, &c.

THE LONDON ESSENCE CO., Ltd.

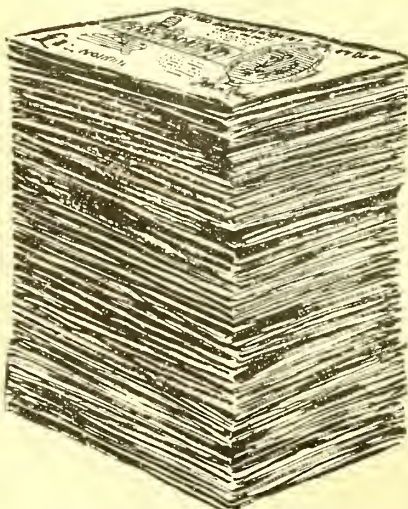
(Proprietors of THE LESCOL PERFUMERY CO.)

Lomond Grove, Camberwell, LONDON, S.E.5.

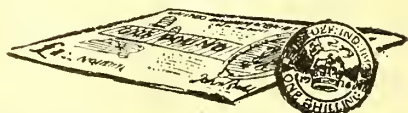
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HOW TO WIN ONE OF THESE HANDSOME PRIZES



1st Prize—200 GUINEAS



50 Prizes of 1 Guinea each.

"John Bull" is offering £420 in prizes and 500 Diplomas of Merit for Window Displays of articles advertised in its pages between now and December 31.

Enterprising traders all over the country are going in for the "John Bull" Window Dressing Competition. They are not only reaping the benefits of increased business, but they stand a chance of winning a handsome cheque when the results are announced. Small windows have just the same opportunity of winning prizes as large ones.

All you have to do is:—

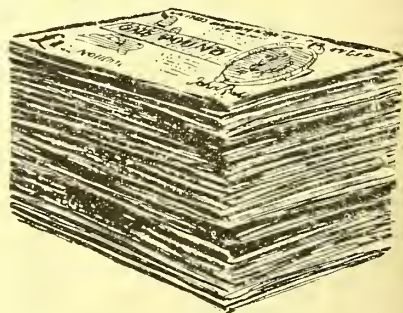
1. To select an article advertised in "John Bull" between now and December 31 and display it in your window for one week.

2. Send a photograph of the display to "John Bull."

Write to-day for full particulars to:

THE MANAGER,
"JOHN BULL" Window
Dressing Competition
(Dept. C6),
90 Long Acre, London, W.C.2

Have you entered for the
"JOHN BULL"
National Window
Dressing Competition?




2nd Prize—100 GUINEAS.



3rd Prize—50 GUINEAS.

Maw's



Page.

S. MAW · SON & SONS · LTD
7/12, ALDERSGATE ST. LONDON, E.C.1, ENGLAND.

No. 421.
8 : 11 : 19.

The Apothecary

Apothecary: One who prepares and sells drugs or medicines.

So the Dictionary has it.

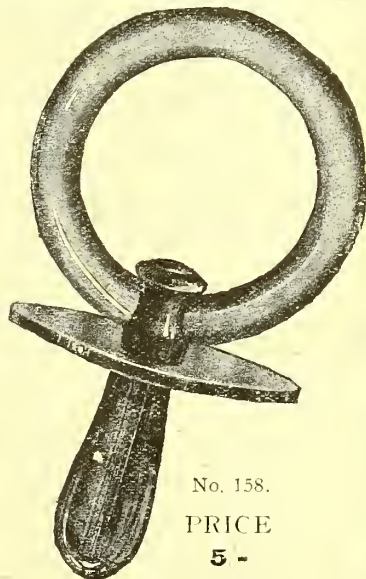
But what a difference between the apothecary of yesterday and the pharmacist of to-day. The base of the business has broadened. The pharmacist has gone out to meet the needs of the multitude. His store embraces a thousand things at the mere thought of which his seventeenth century prototype would have stood aghast. Very often the dispensing, which was almost the apothecary's sole concern, is now but a small department of the modern pharmacist's developed business. The druggist began to extend his activities when education began to make the people realise that the important problem of happy life was rather the conservation of health than the care of disease. The function of the druggist began to develop into the supply of all those things upon which the prevention of illness and disease depends. The science of Hygiene made great strides—the baby-scale in the chemist's window marked a milestone in this path of progress. As the public turned to the druggist, so the druggist turned to his wholesale house to meet the new need. We of the House of Maw feel, without being boastful, we may claim that through a long history this House has played an active part in the evolution of the druggist's store.

Our clientele for over 100 years has extended from Land's End to John o'Groat's. The House of Maw has grown up with the thousands of stores its service has enabled to extend. These stores are still growing. The evolution still continues, and thousands of chemists still depend upon the never-failing quality of goods and service which experience has led them to confidently expect from the House of Maw.

Discuss

Seamless Transparent Pneumatic

This All-Rubber Soother is Seamless, Transparent and Pneumatic and fitted with Maw's Patent Tubular Insertion. On account of its growing popularity we have been compelled to double our plant, and we are now able to meet all demands. For reasons of health and hygiene these soothers are enclosed in dust-proof envelopes. Can be sterilised. A display card to exhibit one soother is supplied free with all orders.



No. 158.

PRICE

5 -

Per Doz.

Items:

Our well-known "Acme" and "Durbar" brands of **Enemas** have not yet advanced in price. Maw Quality always! Prices as follows:—

"Acme" **34/6** per doz. or **3/-** each.

"Durbar" **30/-** per doz.

Each supplied complete in box with rectal and vaginal pipes and shield.

Actinic Green **Smelling Salts Bottles** with Globe Stoppers. Order No. 162. In two sizes—1 oz. and 1½ oz.

Accurate stoppering guaranteed.

Prices:

1 oz. **6/6**, 1½ oz. **6/9** per doz.

Rouge Pads with assorted coloured silk ribbon bands. Six sizes.

2" **2/9** 2½" **3/3** 2½" **3/9** doz.

3" **4/3** 3½" **5/-** 4" **6/-** "

Quite an attractive series.

Glass Pomade Jars with good quality metal caps. Machine-made necks. Useful for pills, tablets, lip salve sampling, ointment, etc. In six sizes as follows. Order No. 1368C/S.

¾ oz. **23/9** per gross.

1 " **23/9** " "

1½ " **25/-** " "

2 " **28/6** " "

3 " **33/6** " "

4 " **36/9** " "

Also with aluminium caps. 3 sizes only.

1 oz. **30/-** per gross.

1½ " **32/6** " "

2 " **36/-** " "

PURE SPANISH ESSENTIAL OILS

(LONABARC BRAND).

FENNEL (SWEET & BITTER)
ANISEED
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ABSINTHE
SAGE

CHAMOMILES
LAVENDER FLOWERS

ROSEMARY
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NEROLI
PETITGRAIN

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RESINOIDS and POMADES

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Makers of SYNTHETIC PERFUMES

and some of the finest original odours extant, for Sachets, &c.

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Wholesale Houses only supplied.

BRITISH-MADE

LANZONE

Adeps Lanæ B.P.

Odourless Lanolin B.P.

BRAND

*Awarded Certificate of Purity and
Quality from the Institute of Hygiene.*

The "Medical Press" says that the British Lanolin made by the London Pharmaceutical Refiners, Limited, of Brockley, has the merit of being superior to the old German Lanoline. The B.P. allowance of Fatty Acids is 7%, whereas this new English Lanoline shows only 27%. The new preparation is quite odourless, and fatty acids do not develop in it by keeping. These are great merits, and show the extreme care with which the refining process has been carried out by the British refiners.

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GENUINE AMERICAN
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"Columbia" Natural
"Diamond White"
Re-distilled.

Finest qualities for Druggists,
Distillers and Confectioners.

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Thames House,

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First-class Pharmacies are never without

SoTOL

Antiseptic Mouth & Throat Wash
Non-Carbolic Tooth Powder
Tooth Paste

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that will COMPEL ATTENTION & BUSINESS in your XMAS Show

PARFUM
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An alluring Eastern Bouquet in our unique
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satins. Dainty saucer and bulb
included. A variety of Designs.
No two alike.

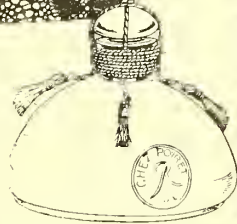
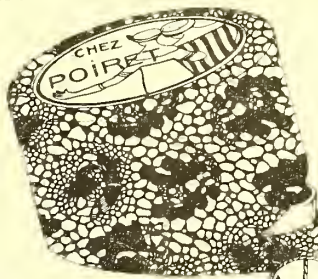
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Patent Nos. 4931 and 4932.

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Delightfully soft in use.
Superior to artificial Puffs.
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THE name Zenobia is so in-
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perfection in perfumery, that
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also manufactured by the firm
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will find that the name

ZENOBI

alone is sufficient to ensure ready sales,
while the pleasure found in the use of
Zenobia Specialities in its turn ensures
satisfied customers. We particularly recom-
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ZENOBIA BRILLANTINES.		ZENOBIA TOILET POWDERS.	
-9d. size.....	6/9 per doz.	1/3 size.....	10/6 per doz.
1/6 " ...	13/6 " "	2/9 "	24/- " "
2/6 " ...	22/6 " "	-7 1/2d. Poudre Orientale.	5/6 per doz.

Subject to usual discount.

A complete Catalogue will be forwarded on
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Ucal Branded Products are *not* "substitutes."

They are standard articles, intrinsically good lines, skilfully made from high-grade ingredients.

They not only "stand comparison with any," but are *better* than most!

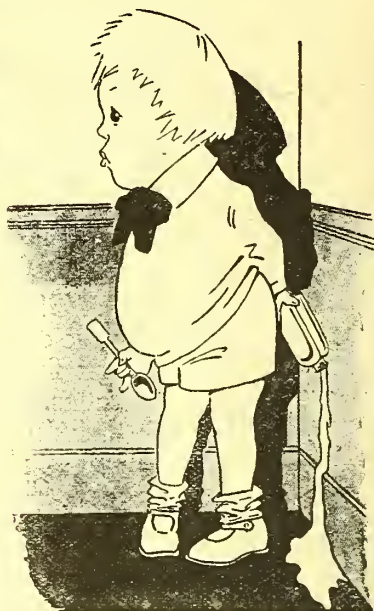
They succeed on their merits.

The demand for them is lasting because their quality is reliable and pleasing.

Your customers will be wanting Ucal Products before long.

To supply them you must become a member of Ucal.

There is one reason—among others—why you should investigate Ucal now.



"*BUT, Mother, it's nasty, so how can it be 'as good as' UCAL?*"

Write to



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Mass Production of Cod Liver Oil Emulsion

We have now completed the installation of additional plant, and are able to give the advantages accruing from Mass Production.

The prices quoted below are for the finest emulsion on the market. It is the fluid, inseparable palate-pleasing white emulsion that has made our name famous—"A Perfect Emulsion," vide *The Pharmaceutical Journal*.

A choice and wide variety of Styles is available, including the "Star," "Mortar," "Anchor," and "Purple Key," and in accordance with the Ayrton custom, Showcards are FREE OF CHARGE and FULL OF VIGOUR.

BULK PRICES—

Guaranteed to contain $33\frac{1}{3}$ per cent. of the finest Cod Liver Oil.

1—4	5—10	11—20	21—50	100	gallons				
14/9	...	14/6	...	14/3	...	14/-	...	13/6	per gallon

Guaranteed to contain 25 per cent.

11/6	...	11/3	...	11/-	...	10/9	...	10/3	per gallon
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PACKED READY FOR RETAIL—

	3	4	6	8	12	16	20	32 ozs.
$33\frac{1}{3}\%$	8/-	9/-	11/6	14/3	19/-	25/6	31/-	45/-
25%	7/6	8/6	11/-	13/-	16/6	23/-	28/6	41/-

NAME AND ADDRESS ON THREE DOZEN AND UPWARDS.

Chilblain Ointment

in tubes or tins

Cartoned

Per dozen . 6/-

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We offer a great variety of
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**SYNTHETICS,
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Extensively used by the leading Toilet Manufacturers all over the World.

A highly concentrated compound with a powerful penetrating odour which completely overcomes the objectionable smell of any ingredients used in Toilet Preparations.

Gives much better results and goes farther than the cheap Essential Oils generally used for this purpose.

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ABSOLUTELY UNRIVALLED FOR SOAP MAKING.

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**THE VISCOSE
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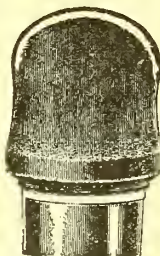
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**SNOW-WHITE OPAQUE
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SOMETHING QUITE NEW. These
Skins are damp and READY FOR USE.
Used by all the Leading Perfumery and Drug
Houses. **ABSOLUTELY AS OPAQUE**
as Split Skins and equal in appearance.

"Mine beat
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"SOLE PIONEER"

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THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.

ALSO GOLDBEATER'S SKIN FOR MEDICAL PURPOSES.

To Perfumers and Druggists.

If you wish to get the best value for money
follow the lead of all large consumers, and
place your orders for

BOTTLE CAPPING SKINS

OPAQUE and TRANSPARENT, with

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My Capping Skins are known to all large
consumers to be the best on the market both
for quality and price. They are all manu-
factured in London. Write for samples and
particulars and compare with your present
supplies, and see what I save you.

OPAQUE ROLLED SKINS made to
order if required.

PLEASE NOTE MY ONLY ADDRESS:

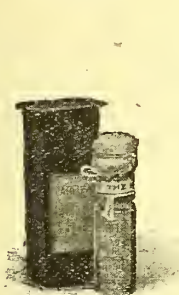
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THE EMPIRE CONCRETE PERFUMES

These represent the latest efforts of the Perfumer Chemist. They are made without alcohol, being the essential principles of the flowers freed from wax, etc. One drop is sufficient to perfume the handkerchief for days. Made in twenty odours, including Cologne and Lavender.



E121. In pedestal case,
18/6 doz.



E122. In velvet-lined jewel
case, 22/6 doz.



E123. In boxwood case,
25/6 doz.



E124. 12/6 doz.

ONE-DROP PERFUMES.

These are not so concentrated as the above, but are free from alcohol and exceedingly good value.

Made in twenty odours, including Cologne and Lavender.

All are packed in rod stoppered bottles.

THE EMPIRE PERFUMERY CO., OLDBURY, ENGLAND

(CUXSON, GERRARD & CO., LTD., Proprietors)

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HOVENDEN'S THEATRICAL GREASE PAINTS.



These paints are manufactured at our Factory in Britannia Row, N. Guaranteed pure, colours perfect, and quality better than any foreign make.

VIDE Testimonials.

MADE IN THE FOLLOWING SHADES:—

No. 1	No.
1 Very pale flesh.	15 Brick red.
1½ Moderately pale.	16 Dark brown.
2 Fair complexion.	
2½ Medium flesh.	17 Carmine.
3 Pale complexion.	18 „ vermillion.
3½ Slightly sunburnt.	19 „ light.
4 Dark flesh.	20 „ medium.
5 Sallow or Chinese.	21 „ dark.
5½ Dark sawlow.	
6 Yellowish flesh.	20 White.
6½ Japanese.	23 Light grey.
7 Brown.	24 Dark grey.
8 Armenian Bole.	25 Old red.
9 Sunburnt or Indian.	26 Light blue.
10 Light brown.	31 Middle blue.
11 Burnt umber or Othello.	27 Dark blue.
12 Black.	28 Light yellow.
13 Red brown or Mulatto.	29 Dark yellow.
14 Chocolate or North African.	30 Rose.
	32 Dark rose.
	Chrome.
	Citron.

5/- doz. Sticks.

Special quotation for quantities.

OPINIONS FROM POPULAR PEOPLE.

Mr. MARTIN HARVEY, Grand Theatre, Hull.

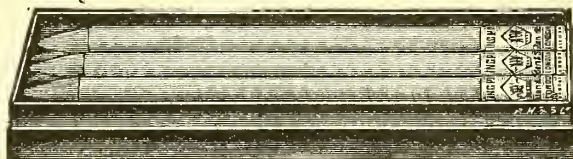
"I have been intending for some time to send you a testimonial about your Grease Paints. I have given them a good trial now, and I think I can honestly say that they are superior even to the German, and that, alas! is saying a good deal. I compliment you heartily upon your achievement."

Mr. WILL EVANS, Theatre Royal, Drury Lane.

"I thank you for sample of your Grease Paints you sent, and I find it a very excellent preparation. I shall certainly continue to use it."

Mr. PHIL RAY.

"Not being fortunate enough to receive a sample of your excellent Grease Paints, I purchased same for myself, and after a lengthy trial I have no hesitation in saying that, from my point of view, it is immeasurably superior to any foreign make."



LINING PENCILS.

English Manufacture.

Black, Old Red, Brown, Light Brown, Dark Brown, Light Blue, Medium Blue, Dark Blue, White, Flesh, Light Grey, Dark Grey, Carmine

3/3 per doz. Sticks.

Subject to 2½% Cash Discount. A copy of our Monthly Illustrated List will be sent on application.

R. HOVENDEN & SONS, Ltd.

29, 30, 31, 32 & 33 BERNERS ST., OXFORD ST., W.1. Tel. No.: Museum 2810 (3 lines).
And 89, 91, 93 & 95 CITY RD., FINSBURY, E.C.1. Tel. No. London Wall 6260 (3 lines).

LONDON

Factory: 41 to 53 BRITANNIA ROW, ISLINGTON, N.

**WE INVITE ENQUIRIES:
FOR THE FOLLOWING:~**

SYNTHETIC OTTOS

"ZINYL" Brand.

ATTRACTED probably by the success these beautiful products have achieved during the past eight years, we note the advent of houses (some hitherto unknown to fame) offering various so-called "cheap" imitations of our Synthetic Ottos. While it has taken us many years to bring these to the present state of excellence, we would point out that on the ground of economy our Ottos are unsurpassed in strength, and consequently far cheaper than "Concentrated Perfumes," generally 1 to 40 volumes of spirit.

Contrast this, for instance, with Synthetic Otto of Neroli, of which $\frac{3}{4}$ oz. to the gallon of spirit forms a most excellent basis for Eau de Cologne, and is equal to a concentration of 220 times, thus showing an enormous advantage.

Yet the price of this Otto is, to-day, 8'6 oz., against the present cost of fine Oil of Neroli, about 41/- oz., and five drachms of the Synthetic Otto are equal to one ounce of the natural oil.—*Verb. sap.*

*Licensed
Compounders of Tinctures, Essences,
Spirits, Perfumes, &c. in Bond.*

AWARDS.

LONDON, 1881; VIENNA, 1883; CALCUTTA, 1884; CHICAGO, 1893.

H. E. STEVENSON & Co.,
122, GREAT SUFFOLK STREET, LONDON, S.E.1

TELEPHONE: 1831 HOP.

TELEGRAMS: "EKLIPS, LONDON."

— **SICILIAN** —
LEMON - BERGAMOT
ORANGE - MANDARINE.
— **SPINELLI** —

**THE OILS THAT HAVE A LONG
REPUTATION FOR QUALITY.**

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any :: :: :: analysis as to purity. :: :: ::

HOLLANDS DISTILLERY LTD.
Lavington Street, Southwark, LONDON, S.E. 1

A B C Code, 5th Edition
Western Union.

Telegrams: "LANDSLOH. LONDON."
Telephone: HOP 898.

AMERICAN AGENTS—O. A. BROWN CO., INC., 99-101 Beekman Street, NEW YORK.
CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, TORONTO.

TERPENELESS OILS

BRITISH MADE.

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the World.

WE SPECIALISE IN TERPENELESS:

Anise (Anethol)

Bay

Bergamot

Caraway

Cassia

Cinnamon

Clove

Dill



Geranium

Ginger

Juniper Berry

Lavender

Lemon

Limes

CITRAL

EUCALYPTOL

Mandarin

Nutmeg

Orange

Peppermint

Petitgrain

Rosemary



CINNAMIC

ALDEHYDE

GERANIOL

HOLLANDS DISTILLERY, Ltd.

Lavington Street, Southwark, London, S.E. 1.

ABC Code (5th Edition),
Western Union.

Telegram: "LANDSLOH LONDON,"
Telephone: HOP 898.

AMERICAN AGENTS—O. A. BROWN CO. INC., 99-101 Beekman St., New York.
CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, Toronto.



These Advertisements help you to sell Icilma

Icilma National Advertising is helping you to sell Icilma Toilet Preparations.

This advertising never stops. Week in, week out, it goes on telling the public *how good our goods are*, thus making it easy for you. You can hand out Icilma Toilet Preparations without wasting any time on selling talk—your customers know already how good they are.

Quick sales mean large profits

hence it pays to buy and show Icilma Toilet Preparations.

Are you taking full advantage of our *special display terms*? A well-arranged window show is a great help in getting a goodly share of the business that our advertising is creating.

Price List and details of display terms post free on request.

Icilma

Toilet Preparations

Stock our goods and share our success.

**Supplies now Normal
Pre-War Quality Guaranteed**

Manufacturers—Icilma Company, Limited,
Sole Distributors—International Icilma Trading Co., Ltd.,

37, 39, 41, 43, King's Road,
ST. PANCRAS, London, N.W.1



Pioneers of Better Profits on advertised goods.

Like the pioneers of old, blazing their path through the *obstructions to progress*, so we a dozen years ago smashed a way through the *profit-stifling customs* of those days and opened to retailers a wide and easy path to *Better Profits*. Our methods have been copied by imitators and substitutors. A tribute we (*and you, no doubt*) appreciate.

The profits we give on *display parcels* can be truly described as generous. They are easily made, for

Quick Sales make Large Profits

Our continuous advertising aided by the display in your window (*which is a constant reminder that you stock our preparations*), makes the sale of Icilma Toilet Preparations easy. This advertising which appears in the leading papers week in and week out, creates the interest in the prospective new customer, and sustains it in old customers.

Thus it pays to buy and show Icilma Toilet Preparations.

Price Lists and full details of Display Terms post free on request.

Icilma

Toilet Preparations

Stock our goods and share our success.

**Supplies now Normal
Pre-War Quality Guaranteed**

Manufacturers—Icilma Company, Limited,
Sole Distributors—International Icilma Trading Co., Ltd.,

37, 39, 41, 43, King's Road,
ST. PANCRAS, London, N.W.1

ANTISEPTIC CRYSTAL TABLETS.

FOR USE AFTER SHAVING.

THERE ARE NONE MORE POPULAR THAN
BLOC THYALIN (Regd.)

SUPPLIED BOXED in dozens in hinged lid boxes, displaying handsomely coloured litho. showcard when open. AN ATTRACTIVE, rapid selling Counter Adjunct.



WHOLESALE AND SHIPPING ONLY.

Your Drug or Sundry House will supply on demand.

The FRAM MFG. CO. LTD.,
Manufacturers of all Toilet Articles for Shavers,
Excelsior Works,
Ellis St., BIRMINGHAM.
ENG.

STRODONIA Vanishing Cream.

For displaying a small showcard we make the following offer on INITIAL DIRECT ORDERS (one parcel only).

1 doz. 10 $\frac{1}{2}$ d. selling for 10/6 } 18/-
2 doz. 1/3 " " 7/6

For 10/- Cash with order. Carriage Paid.

10 $\frac{1}{2}$ d. and 1/3 ... 7/6 & 10/6 per dozen

FROM LONDON WHOLESALEERS.

Direct orders value £5, subject to 1 doz. 1/3 size Bonus for window display and 5% discount cash, one month: £2/10 0 subject to 2 doz. 1/3 size Bonus for window display, net. £1 10/0 subject to 3 doz. 1/3 size Bonus for window display, net.

Carriage paid on £1/10/0 upwards.

STRODE COSH & PENFOLD, Broadmead, BRISTOL



LOVELY EYELASHES

(A BRITISH SCIENTIFIC INVENTION)

Coarseness, harmless eyelash food. Beneficial to the eyes.

25% on small orders, 33 $\frac{1}{3}$ % on Gross Lots.

CURLASH CREAM

For a small show in your window:

OUR WINDOW-SHOW OFFER	3 Doz. @ 1/-	...	...	£1 16 0
	9 Free ...	...	...	9 0
	Returns ...	...	...	£2 6 0
	Outlay ...	...	...	£1 7 0
NET PROFIT 66 $\frac{3}{4}$ %				18 0

With Dummies and Show-cards. Carriage paid.

THE BALDWIN MFG. CO., Ltd., 37 Berners St., London, W. 1.

Please Note Alteration in ADDRESS.

Cold Cream

IN POTS, TINS, OR BULK.

ABSOLUTELY DEPENDABLE.
BRINGS REPEATS EVERY DAY.

Lavender Ice

FOR CHAPPED HANDS

A QUICK WINTER SELLER.

ALSO

Lanoline Cream, Lip Salve,
Camphor Ice, Tooth Powders,
Brilliantines, &c.

Samples free on application to

The Casson Chemical Co., Ltd.,
NEWTON RD., WESTBOURNE GROVE, W.2

Phone: Park 2884.

Profit by the Growing Demand for Snowfire.

Large numbers of women doing outdoor or indoor work are buying Snowfire regularly. They have discovered its cleansing, softening and beautifying influence upon the skin—how it keeps the hands white and dainty.

Snowfire

Sells freely all the year round. Specially valuable in Winter for Chapped Hands, Cracked Lips, or Roughened and Irritated Skin.



Well advertised. Shows good profits. Attractive publicity matter free. Goods carriage paid to your door. For Price List write

F. W. Hampshire & Co. Ltd.
RIVERSIDE WORKS, DERBY



VIOLIV Policy

We realise that goods which are appreciated by the public and which bring repeat orders from such a satisfied clientele are what retailers take pleasure in handling. Therefore all Violiv preparations have been carefully prepared from special formulæ which have been tested and re-tested in order to have the highest possible standard of quality under our Trade Mark.

Concentrate on VIOLIV ICE this winter.

Specialisation spells success in every walk of life—and it pays handsomely to specialise in *good* emollients.

Tot up how many gross of 2d. and 3d. lines you sold last winter—and then figure out what your profit would have been had you sold as many gross of VIOLIV ICE—the best and smartest packed winter line on the market.

Concentrate on VIOLIV ICE—it sells quickly and brings you handsome profit. Show it in your windows and on your counters—we supply attractive cutters and smart showcards with every order.

Note the remuneration VIOLIV brings you:—

1 Gross @ 3/- per dozen costs £1 16 0

REALISES

12 dozen, plus bonus 3 dozen, gives 15 dozen

@ 4½d. (retail price) 3 7 6

1 11 6

Add 2½ % for cash 10

Profit, 88 % on outlay **£1 12 4**

All Orders Carriage Paid.

VIOLIV MANUFG. Co., 26 Haymarket Terrace, EDINBURGH



Selling Agents for England and Ireland:—

Messrs. Pattinson & Mackie, Ltd., Albion House, 59 New Oxford Street, London, W.C.1.

Do not delay—ORDER NOW.

Send your first order along now, then give Violiv a start in your selling plans. That's all it needs.—Violiv makes repeat orders.

Nor Ad

VI



WAVCURL

THIS article has now been sufficiently long before the public to enable them to sample its merits. This the public have done on a large scale, and many delighted users have come again and again to the retailers they buy from for further supplies. The demand has been extraordinary. At first the proprietors tried to cope with it per post, but they soon saw that this was too cumbersome and tedious a method, and they are now gladly availing themselves of the services of the trade. Wavcurl is a first-class seller and a first-class payer, too. The profits are all they should be on a toilet line, as any reader can see for himself in the P.A.T.A. Protected List. Forty per cent (40%) should surely awaken your interest, especially in a line that sells at sight. All classes of ladies, from the titled dame to the busy factory worker, are using it as their readiest means of keeping themselves attractive, notwithstanding the great demand there is just now upon their time. To the user it is a great time-saver; to the seller, a great money-maker. We invite your application for Showcards and Dummies for window-dressing. A Wavcurl window-show in an industrial or factory area will simply make the shillings shower into your till. Address post card to

THE WAVCURL CO.,
FULWOOD HOUSE, HIGH HOLBORN, W.C. 1

	Per doz.		Per doz.
1/6 Wavcurl (in packets) ...	9/-	1/6 Duvetine (Superfluous Hair Remover) ...	9/-
2/9 Wavcurl (in bottles) ...	21/-	1/6 Wavcurl Hair Tonic (9 in Powdered Form) ...	9/-
1/6 Complexion Cream ...	10/-	1/6 Eyelashine ...	9/-
2d. Shampoo Powder ...	15/- gross.	Showcards for Window Dummies for Show	no charge

Agents: PARIS.—A. W. Scott, 38 Rue du Mont Thabor. CANADA.—W. W. Barry, 1 Port Street, Montreal.

**OVER 100 % PROFIT
ENSURED & PROTECTED (P.A.T.A.)**

for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	
1/6	1/6	9/-	per doz.
2/6	2/6	15/-	less 5%
3/6	3/6	21/-	discount.

SPECIAL BONUS

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size, to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN,

DEVON WHARF,

Emmott Street, Mile End, London, E.1.

Have you anything that takes up this space that pays you better?

48 SQUARE INCHES

Is the area of a 6 doz. and 1 doz. bonus decorated twin-lidded carton, which compels sales by attraction, immediately shown. "QUIN-QUENNA" is always advertised, and gives you a profit that can only be classed as magnanimous.

Quin Quenna

BETTER THAN A SHAMPOO

We will send at once one 6-doz. carton and 1-doz. bonus, along with a good supply of advertising material. Carriage paid.

4/- PER DOZ. With Bonus. Note your Wonderful PROFIT! P.A.T.A. EACH 6d.

Shall we send one along?

THOS. CHRISTY & CO.
Old Swan Lane, LONDON, E.C. 4

There are many cheaper Creams than Tokalon
— but your Customers don't want them.
There may be better Creams than Tokalon
— but just try to find them!

CRÈME TOKALON



PRICES 1/3 & 2/-

With the help of our advertising, you, Mr. Chemist, have to sell Tokalon cream and powder to your customer the first time, but from then onward they sell themselves. After once testing these remarkable products the customer will not feel satisfied with any others.

Why it is that Elsie Janis finds Crème Tokalon so different from all others.

Crème Tokalon imparts marvellous beauty to the complexion because it contains buttermilk and other skin-preserving and nourishing ingredients found in no other Cream.

COMPLEXION PERFECTION
is merely a matter of using
**CRÈME
TOKALON**
(Pronounced Toke-a-lon)



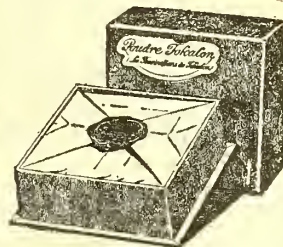
What Elsie Janis says about

CRÈME TOKALON & POUDRE TOKALON.

"Carefully choose a good cream and a good powder, both made by a responsible manufacturer. Try them carefully, noting the exact effects. If satisfactory adopt them for regular use and never touch any others. I even advise going so far as to have cream and powder analysed by an expert chemist. This will be somewhat costly at first, but it may save you money in the end. It may even save your complexion. The cream must not only be absolutely pure, but it should be non-greasy. The powder should be of extreme fineness. I personally use Crème Tokalon and Poudre Tokalon. No one could ever persuade me to use any others."

Elsie Janis

POUDRE TOKALON



PRICES 1/9 & 2/11.

In compressed form
(Comprimés) 1/3 each.

Our goods, bought on
best terms, Show you
57% Profit on your
Outlay.

Strong and attractive
show-cards of proven
selling power sent free
on request.

CARRIAGE PAID ON
ALL ORDERS FOR
3 DOZ. OR OVER.

Why it is that Elsie Janis finds Poudre Tokalon so different from all others.

The extreme fineness of Poudre Tokalon, as mentioned by Elsie Janis in her letter, is produced by the "air-floating" process which we use exclusively in manufacturing the powder.

YOU SHOULD ALWAYS KEEP THESE TWO QUICK-SELLING LINES IN STOCK.

TOKALON LIMITED, 212-214, Great Portland Street, London, W.

SIANARA (Regd.)

(Pronounced Sigh-an-ah-rah)

*Est. 277 years
is a guarantee
of the quality.*

JUDGING by the *repeat* orders received every week in the Factory, there are other people besides ourselves who know "Sianara" to be a good thing, and who, with us, have every confidence in it. It is a registered proprietary soap, retailing at the popular price of 5d. per tablet. It is triple milled and superfatted, and is free from colouring matter. One of its charms lies in its unique, enchanting, perfume reminiscent of Old Japan. It is emollient in use and absolutely pure—you can safely recommend it to your customers to your own and their satisfaction.

Supplied in Standard 5d. size and shape, and in 5d, 7d, 8d., and 10d. Round Bath.

J. C. & J. FIELD, Ltd., *TOILET SOAP EXPERTS,* Upper Marsh, Lambeth, S.E. 1.

PERFUMERS ! SHORTAGE OF LABOUR

Advertisers are prepared to undertake the blending of Shampoo, Tooth, and other Toilet Powders, in large or small quantities at lowest possible rates. Good workmanship and prompt delivery. Ingredients supplied if desired at lowest market prices. Write, stating requirements.

MARTIN & CO., 71 City Road, Finsbury, London, E.C.1.

All Chemists and Stores adjacent to Theatres and Music Halls should stock the famous

LEROZA Theatrical Cold Cream and Grease Paint Remover.

Used and recommended by all the leading Artists, including The Two Bobs, Ernie Mayne, Miss Victoria Monks, Shaun Glenville, and scores of others too numerous to mention. Sells at 1/6 per tin box (about 10 oz.) costs 12/3 per dozen carriage paid. Cash with order.

From the Sole Inventor and Manufacturer, ARCHIBALD MOLE-FLOYD
The LEROZA THEATRICAL STORES, 71, 73 & 75 Cambridge St., Glasgow.

The Evan-Williams

Always in Great Demand.
Price List on Application.

The Evan-Williams Co., Ltd., 18, Ogle Street, W.1.

ORIGINAL HENNA SHAMPOO.

BOTTLES

CANNONS,
BRILLS, LIMES,
PERFUMES,
BAY RUMS,
KALIS, CARBOYS

WHOLESALE ONLY—PROMPT DELIVERY.

E. DUNCAN DORING, 7 King St., Cheapside, E.C.2

Telegrams: "Doringlaso, Phone, London."

Telephone: City 4008.

For LARGE BUYERS

For SHIPPERS

Good Toilet Goods

SHAVING STICKS,
BRILLIANTINES,
DRY SHAMPOO (Liquid and Powder), BAY RUMS, TOILET
PARAFFINS, LIME CREAMS, POMADE HONGROISE,
TOOTH POWDERS, DENTAL CREAMS, VANISHING
CREAMS, SHAMPOO POWDERS, and all TOILET GOODS.

SAMPLES AVAILABLE.

C. A. STOKES & CO., Ltd., 11 Eclipsol Works, BRISTOL

Veldt Cream

(Label Title Copyright)

Soaps

These celebrated Soaps are rapidly becoming popular, being superfatted with Lanoline and of delightful Violet odour.

They are exclusively supplied to Chemists and are sold only at face value, being on the P.A.C.A. List.

		Minimum Retail	Whole ale Price
1173	"Veldt" Cream Miniature Soap Packed in 6 dozen Show Boxes	2d.	18/6 gross
1169	"Veldt" Cream Toilet Soap Packed in 1 dozen Show Boxes	6½d.	60/- "
1170	"Veldt" Cream Bath Soap ...	1/-	114/- "
1174	"Veldt" Cream (Extra Creme de Luxe) Shaving Stick ... 12 Cases per 1 dozen box.	10d.	84/- "

Please quote numbers when ordering.

Carriage paid on 1 gross 6½d. Tablets, or equivalent in other sizes—free cases, less 5 % 28 days.

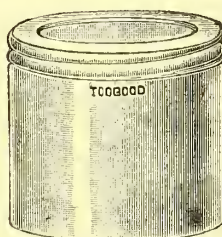
CHEMISTS willing to co-operate will be quoted very special terms. Inquiries invited by the sole distributing Agents for home and abroad.

CHARLES & CO., Ltd.

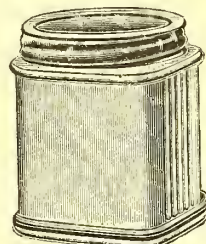
Soapmakers - - Marshall Street, Leeds.

Delivery from London Stock.

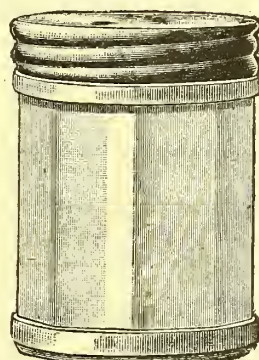
Opal Glass Toilet Cream JARS



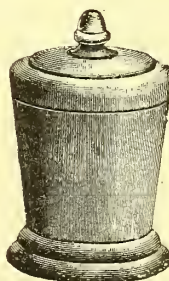
1384—1, 2, 4, 8 oz.



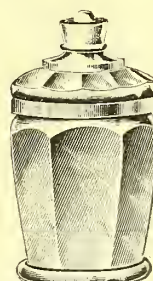
2479—2 oz.



2486—1, 2 oz.



1689—1, 2 oz.



3433—2 oz.

Apply for Price List and Special Terms
from

WILLIAM TOOGOOD, LTD.

77 Southwark St., London, S.E. 1.

Our lines are Genuine.

Largo buyers of
Pomade Hongroise
Styptic Pencils
Nail Polish
Cloth Cleaners

Antiseptic Shaving Blocks
Lager Pack etc

Should write to :-

Delphinus Mfg. Co.,
145 Edward St.,
Brighton.

Telegrams: Sussex:
"Hongroise, Brighton"
England.

Export to all Countries.

Sell the article that pays for itself.

Best attention to all orders received.

TRADE MARK "VASELINE" PREPARATIONS
AND RELIABILITY

"VASELINE" Petroleum Jelly when used in Ointments contains more of the desired elements necessary for a universal base than any other known substance. It has emollient, antiseptic, healing and protective qualities in itself, is not easily acted on by chemicals, and, where properly protected from air and light, does not change. Also, when incorporated with other medicaments, they are not injured by the action of the base. These conditions have long been recognised by the leading Physicians, Surgeons and Pharmacists throughout the world. Animal and vegetable fats, on the other hand, are subject to change, forming various compounds which destroy the end for which they were intended.

"Vaseline" is the Registered Trade Mark of the
CHESEBROUGH MFG. CO. (Cons'd.)
42 Holborn Viaduct - LONDON, E.C.1

Complete Price List of all the "Vaseline" Preparations will be sent post free on application.

THREE GOOD SELLERS THAT PAY WELL

FROZOCLONE

(The original solid Eau de Cologne).

(Regd.)



THE WORLD'S GREAT
PERFUME AND
REFRESHER IN
SOLID FORM

Retails (P.A.T.A.)
Minimum - 3/-
giving at least 10d. Profit
on each sale.
26/- per doz.

FROZOCLONE is a convenient form of the finest Eau de Cologne, refreshing when rubbed on the forehead, equally pleasant as a smelling bottle, invaluable in a heated atmosphere and when motoring.

CARNATE (Regd.)

A NAIL POLISH PASTE with new and distinctive features. Antiseptic—Softens the cuticle—Brilliant and lasting polish.

Retails (P.A.T.A.) minimum 1/6; 12/- per doz.

ANALAX

(Reg. Pat. No. 310716)



The Ideal Fruity Laxative in Pastille Form.
DELICIOUS. RELIABLE. EFFECTIVE.

Retail (P.A.T.A.) Minimum 2/3
21/- per doz., stamped.

R. DEMUTH'S LABORATORIES, 68 Salusbury Road and
Montrose Avenue, LONDON, N.W. 6

Telegraphic Address: "Boulhene London."

Telephone: 525 Willesden.

Raymet's Representative.

SAFETY RAZORS

Curved-top razors, heavily silver plated on solid brass. To take Gillette pattern blades.

No. 156. Suitable for week-end or travelling. Leather case. Size closed, $2\frac{1}{2}'' \times 1\frac{1}{4}'' \times \frac{1}{2}''$. Stud fastener. 1 blade. Price 3/- each.

No. 157. Soft brown leather, purse shape; stud fastener, leather band to hold top of razor in position, 4 flaps. Size closed, $3\frac{1}{4}'' \times 2'' \times \frac{1}{2}''$; 3 blades in pocket at back. Price 5/- each.

No. 158. Black grained leather, wallet shape; stud fastener, 4 flaps. Size closed, $4\frac{1}{4}'' \times 3\frac{1}{4}'' \times \frac{1}{2}''$. Razor handle and 3 blades in leather loops. Price 6/- each.

No. 159. As above, but in brown pigskin. Price 6/- each.

No. 160.—Soft grey or brown leather, wallet shape; 4 flaps, stud fastener. Size closed, $4\frac{1}{4}'' \times 3\frac{1}{4}'' \times \frac{1}{2}''$; 6 blades; razor top and handle in leather loops. Price 7/- each.

No. 161. Solid brown leather case, box shape; velvet padded. Size, $3\frac{3}{4}'' \times 2'' \times 1\frac{1}{2}''$. 4-piece razor, two leatherette blade holders; 6 blades. Price 7/6 each.

WHIRLING SPRAYS

Stout full-sized red velvet rubber balls, fitted with improved mounts, giving a better and more powerful spray; packed in neat dark-blue hinged boxes. 5/6 each, 63/- per dozen.

CARBOLIC TOOTH POWDER

Decorated tins, neat design. Small size, $2\frac{1}{2}'' \times 1''$, 33/- per gross. Large size, $3'' \times 1\frac{1}{4}''$, 48/- per gross.

BORATED TALCUM POWDER

Delightfully perfumed. 4 - oz. tastefully decorated tins, 7/- per dozen.

CAMPBOR ICE

Oblong decorated tins. Retail 6d. or 7½d., 3/9 per dozen, 42/- per gross.

Terms:—Monthly account net. Carriage paid £2 orders. (Scotland and Ireland £3 orders).

TOILET PREPARATIONS

Distinctive brown engraved labels, name and address free on 1 dozen of a preparation. All bottles white skin capped. Sprinkler corks (where not included), 1/- per doz. extra.

BRILLIANTINE

Round bottles, green or yellow, assorted perfumes.

1½-oz. 5/-, 2½-oz. 7/6, 4-oz. 10/- per dozen.

TOILET PARAFFIN

Prepared from the best odourless oil, well perfumed, green or yellow.

2½-oz. bottles 7/-, 4-oz. 9/6 per dozen.

BAY RUM

A brilliantly clear preparation containing the full amount of spirit.

2½-oz. bottles 7/-, 4-oz. 9/6 per dozen.

LIQUID DRY SHAMPOO

No water or rinsing required; sells well.

2½-oz. bottles 7/-, 4-oz. 9/6 per dozen.

BAY RUM & CANTHARIDES

A popular and reliable article.

2½-oz. 6/6, 4-oz. 9/- per dozen.

HAIR CREAM

Greaseless, does not mat the hair, nicely perfumed.

2½-oz. 6/6, 4-oz. 9/- per dozen.

VIOLET OIL

Sells well in good-class districts.

2-oz. fluted bottles, sprinkler corks, 8/-;

4-oz. 14/- per dozen.

LIME CREAM

White and inseparable.

4-oz. bottles 7/- per dozen.

COLD CREAM

A seasonable line; does not go rancid; nicely perfumed.

2-oz. pots, 7/6 per dozen.

Large buyers should write for special quotations, stating quantities required.

RAYMET & CO., LTD., 507-509 Harrow Road, London, N.W.10



Whitecross Baby Powder

British make throughout.
In smartly decorated tins, with
sprinkler and dome top.
P.A.T.A. 10½d. ; 6/- per doz.



Peach Bloom Face Powder

British Make throughout.
NO ADVANCE IN PRICE.
In various tints.
P.A.T.A. 7½d. ; 3/6 per doz.

Whitecross Tooth Powder

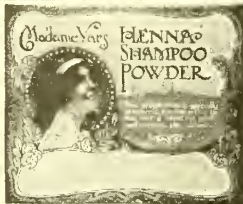
British Make throughout.
Being a first-class article, packed in smartly decorated tins.
Two sizes, 3/3 and 5/3 per dozen.
The Whitecross Baby Powder and Tooth Powder have
both obtained the Certificate of Merit of the Institute
of Hygiene.

Menthol and Menthol & Eucalyptus Snuff,

in special decorated tins. On the P.A.T.A. at 4½d. ;
2/9 per dozen.

Tooth Paste in Collapsible Tubes.

All varieties, 5/- and 6/9 per dozen; also a special new
line "Antiseptic," each in carton, 5/3 per dozen.
Lanoline, Oatmeal Cream, Witch Hazel, Antiseptic Honey
Jelly, etc., in tubes, 5/- and 6/9 per dozen.



Madam Var's Henna Shampoo

Very smart wrapper in
eight colours; loose 22/-
per gross, one show box
with each gross. Packed
seven in a box, 13/3 per
dozen boxes.



TOILET PARAFFIN, 2½ oz., 8/- per dozen; 5 oz., 11/3 per dozen.
BAY RUM, 2½ oz., 6/9 per dozen; 5 oz., 8/6 per dozen.
FIXAR HAIR CREAM, 2½ oz., 7/6 per dozen; 5 oz., 9/9 per dozen.
EAU DE QUININE, 10/- per dozen.

Bay Rum and Cantharides, Brilliantine, Cold Cream and
dozens of other lines. Price Lists on application.

DECORATED TINS and Plain in variety, all sizes, from
2 dr. upwards. Whitecross Ointment Tins, Vaseline, Fuller's
Earth, Violet Powder, Tooth Powder, etc. etc.

Ready Again.—Ointment Tins with buyer's name round edge,
and plain centre for labels. Write for particulars.

SPECIAL DISCOUNTS TO LARGE BUYERS.

The CHEMISTS' MANUFACTURING Co., Ltd.

with which is **SHIRLEY BROS.**
incorporated

Whitecross Works, Rockingham Street, S.E. 1.

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP A complexion soap.	10/-	1/-
PROLACTUM For the lips.	10/-	1/-
PARSIDIUM JELLY For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM A hair tonic.	22/6	2/6
CLEMINITE For a face lotion.	22/6	2/6
COLLIANDUM For a face tint.	22/6	2/6
PERGOL A deodorant.	22/6	2/6
STALLAX For a shampoo	22/6	2/6
JETTALINE For clearing the skin.	31/6	3/6
PHENOL A depilatory.	36/-	4/-
MENNALINE For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
STYMOL For oily complexions and blackheads.	36/-	4/-
BARSYDE Dandruff eradicant.	22/6	2/6
TAMMALITE For grey or faded hair.	22/6	2/6
LIQUID PERGOL To check excessive perspiration locally.	31/6	3/6
BICROLIUM For whitening the hands.	22/6	2/6
HARAPOSA Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA:

ALL WHOLESALE and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:

LENNON & CO., Ltd. (Cape Town).
SIEVE BROS., & KARNOVSKY (Johannesburg).

INDIA:

KEMP & CO., Ltd. (Bombay).
R. MACLURE (Madras).
SMITH, STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta).
JAMNADAS BROS. (Bombay).

NEW ZEALAND:

SHARLAND & CO., Ltd. (Auckland & Wellington).

SOUTH AMERICA:

DEARBORN, Ltd., Calla Salta 264, Buenos Aires.

*If you have any difficulty
in obtaining the supplies
you need of*

CALVERT'S Carbolic Tooth Powder

OR

**Calvert's Carbolic Soaps
DISINFECTANTS and
other SPECIALITIES,**

WRITE TO

**F. C. CALVERT & CO.
MANCHESTER - - ENGLAND.**

"OKOS" is booming Are You Stocking it?

*A wonderfully fine Tooth Powder
with a refreshing Mint Flavour.*

"OKOS" retails at 7½d. per tin.

£3 per gross.

15 dozen to
the gross.



¶ The mail order demand for "OKOS" is tremendous, are you prepared for your local demand, if not secure your stock at once.

"OKOS" is being well advertised—you are sure to be asked for "OKOS." Don't disappoint a customer; get your stock in NOW. "OKOS" is beautifully put up under attractive labels and cartons, dummies of which we will supply for window display on request.

Sole Proprietors:—
THE MIDLAND WHOLESALE,

2 REGENT PLACE,
LEAMINGTON SPA.

London Agent: A. R. ANDREW,
6 Love Lane, Wood Street, E.C.2.

*This Showcard printed in FIVE
COLOURS SUPPLIED FREE.*

"TM" SMOKERS' "TM" TOOTH PASTE & TOOTH POWDER

The *real* Smokers' Dentifrice—a genuine article that is advertised largely to do all that is needed for the Smokers, and what is more lives up to its claims.

Not an ordinary tooth paste put up to appeal to smokers.

**LET US SEND
YOU AT ONCE**

6 doz. 1/3 Tubes (half-doz. bonus) and 6 doz. Powder 7½d. @ 9/9 and 3/9 per doz. respectively, and we will send you, carriage paid, along with

**THIS WONDERFUL
PEAK DISPLAY.**



**THESE ARE THE
PRICES — SEE THE
P.A.T.A. PROFIT.**

TM Paste, 1/3. 9/9 per doz.
TM Powder 7½d. 3/9 per doz.

THOS. CHRISTY & CO.
4-12 OLD SWAN LANE, LONDON, E.C.4.

Widespread Advertising that has created a huge demand

The advertising for Bisurated Magnesia, Bitrate of Tar and Lavona Hair Tonic has been widespread and continuous for a number of years, and the cumulative effect of this advertising on the public is considerable. It is more profitable to you to sell these lines than it would be to handle others which may carry a slightly higher margin of profit on an individual sale, but which do not give you nearly such a good return in the aggregate, because they lack the cumulative good-will which only comes from good lines long advertised. And every word of this advertising aims at selling these three lines over the counters of the retail chemist—*your counters*. Every week the sales of these lines leap higher and higher—

Are you getting Your share ?

Are you always able to meet the demand from stock ? If not, you are losing good business which you could have without taking the slightest risk, because the sales of these lines are guaranteed. Guaranteed sales and guaranteed profits are synonymous terms. Keep up your stocks of

**Bisurated Magnesia
Bitrate of Tar
Lavona Hair Tonic**

INTERNATIONAL CHEMICAL Co LTD
WYBERT ST MUNSTER SQ LONDON N.W.1

**LABORATORY
OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.**

LONDON AGENTS :
WILCOX, JOZEAU & Co., 49, Haymarket, S. W.



**CHAPOTEAUT'S
CAPSULES of
PHOSPHOGLYCERATE
of LIME.**

**THE BEST TONIC FOR
FORTIFYING AND BUILDING UP
THE NERVOUS SYSTEM.**

Sold by all Chemists.
**Wholesale: 8, Rue Vivienne,
PARIS.**

MORRHUOL CHAPOTEAUT



CAPSULES

MORRHUOL DE CHAPOTEAUT
is extracted from cod-liver oil, and
contains all its efficacious prop-
erties without the disagreeable taste.

*It cures Coughs, Bronchitis and Catarrh,
restores the appetite, and gives force to
feeble persons.*

SOLD BY ALL DRUGGISTS.

**CHANDRON'S
DROPS**

(Gouttes des Colonies)

**A harmless antiseptic
preventative against CHOLERA-
FERMENTATION - INDIGESTION
and other intestinal disturbances.**

SOLD BY ALL CHEMISTS

*I find the odor exquisite and
will be charmed to have it called
by my name. Very sincerely,
Mary Garden*

PARFUM
MARY
GARDEN
RIGAUD
PARFUMEUR
16, RUE DE LA PAIX,
PARIS.

LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.

BIDWELLS' LTD.

RELIABLE TOOTH BRUSHES.

Gloria Silverdrawn, -	18/-
Mitre - - -	14/-
Elephant - - -	12/-
Anchor - - -	10/-

GROSS LOTS NAMED FREE. CARRIAGE PAID.

We do not Sell Foreign Tooth Brushes.

A selected £10 parcel of Hair Brushes from 30/- to 100/- per doz., carr. paid.

Made at our Factories, AXMINSTER, DEVON.



TRADE MARK

PERFECTUM SERIES

SURGICAL DRESSINGS AND CHEMISTS' SUNDRIES

JUST RECEIVED.

CONSIGNMENTS OF

Tooth Brushes from **4/9** dozen.

Hair Brushes **20/-** dozen.

EARLY INQUIRIES SOLICITED.

WRITE OR PHONE—

ARTHUR BERTON, LTD.,
Manufacturers,

Offices and Warehouse: **15-17 Worship Street,**
LONDON, E.C. 2.

Telegrams: "Aybelim, Finsquare, London." Phones: London Wall 507, City 998.

SHAVING BRUSHES

with Boxwood, Metal or Bone handles.

REAL BADGERS

Nickle plated Shaving Bowls.

IODINE BRUSHES,
THROAT BRUSHES,
CAMEL HAIR PENCILS.

VARNISH & PAINT BRUSHES.

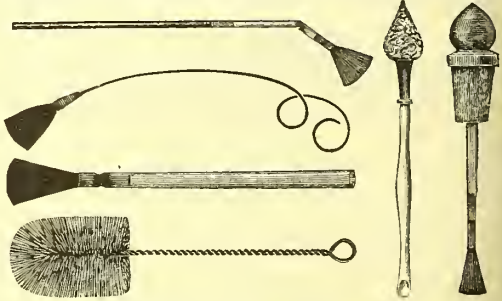
Also Puffs and Puff Boxes,
Pocket Combs, Hair Brushes.

Wholesale and Export only supplied.

A. E. DEPRETER,
24 HOLBORN, LONDON, E.C. 1.

Telephone: Holborn 3182.

Telegrams: "Aedep elon, Smith, London."



Makers for the Wholesale Trade.

M. J. FECHER, LTD., Ilx Works,
Northwold Road, Stoke Newington, N. 16.

INDIAN PRODUCE

First-Hand Supplies.

Shipments direct from India to U.K.

OILS, OILSEEDS, GROUNDNUTS,
FODDER-CAKE, COPRA, CAPOC,
SPICES, CITRONELLA, etc.

DE GROOT BROTHERS
Schiedam Holland

LLOYDS BANK LIMITED,



with which is
amalgamated

THE CAPITAL & COUNTIES BANK, LTD.

HEAD OFFICE: 71, LOMBARD ST., E.C. 3.

Capital Subscribed	-	£56,150,350
Capital Paid up	-	8,984,056
Reserve Fund	-	9,071,250
Deposits, &c.	-	309,328,800
Advances, &c.	-	92,784,877

THE BANK HAS OVER 1,400 BRANCHES
IN ENGLAND AND WALES.

Auxiliary:

LLOYDS & NATIONAL PROVINCIAL FOREIGN BANK LTD.

THE BEST

GUMMED PAPER

made is only just
good enough

FOR A DOCTOR TO USE.

Ask for

Jones'

*Superfine Pure Gummed
Paper*

(It Won't Curl).

Samuel Jones & Co.,

Bridewell Place, London,
E.C.4.

FEATHEREDGE Rubber Sponges

LARGE STOCKS ARRIVING

THOROUGHLY
SANITARY
AND
DO NOT
HARDEN

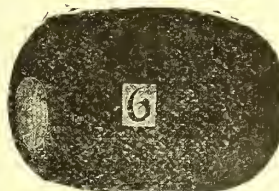
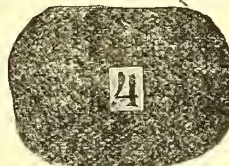
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Very
**GOOD
PROFITS**

for the
Retailer

—■—

OBTAINABLE
OF ALL
DRUGGISTS'
SUNDRIES
HOUSES



Markt & Co., London,
—LTD.—

American Merchants,
SOLE IMPORTERS,

98-100 CLERKENWELL RD.,
LONDON, E.C.1.

IT PAYS TO PUSH JOHN BOND'S "CRYSTAL PALACE" MARKING INK



6d. size, **3/9** per doz., Minimum protected selling price, **5d.** 1/- size, **6/9** per doz., ditto **10d.**

This will show retailers a profit on the 6d. size of no less than 33 1/3 per cent. The rate of profit on the 1/- size will remain the same.

MINIMUM ORDER AT WHOLESALE RATES:—One Cross of 6d. size amounting to 40/- or assorted order to same value. 1/- size 70/- per gross. Carriage paid on Parcels of £5 and upwards. Smaller quantities should be ordered through any of the Wholesale Houses.

When ordering, please specify if HEAT or NON-HEAT is required. A good assured minimum Profit on this Marking Ink which will always make new customers.

Compare with what you are paying for other makes, and **NOTE** the difference.

Manufactory: 75 SOUTHGATE ROAD, LONDON, N. 1.

A
**PHILIP JOSEPHS
& SONS LTD.**

**SHOWCASE
QUICKLY EARNS
ITS COST.**

Try One!

93 OLD ST., LONDON, E.C. 1.

Phone—9057 London Wall. Wires—"Josephiah London."

BOTTLES

TOM LAYCOCK & CO.

(Tom Laycock, Proprietor),

**ISLES GLASS WORKS,
Holbeck Lane, LEEDS.**

We can supply:—
Amber Blands, Brilliantines, Corn Solvents, Colognes, Limes in white, amber and actinic green, Medicals, Mexicans, Malt Jars, Pomade, Face Cream, and Vaseline Jars, Poison, in blue and actinic green, Perfumes, Vials, etc.

WHOLESALE ONLY.

Write for prices, mentioning quantities and deliveries.

**ALWAYS
ADVERTISED**

Zam-Buk

**ALWAYS
SELLING**

C.E. FULFORD, Ltd., LEEDS

Irish } Messrs. T. McMULLAN & CO., Victoria St., BELFAST.
Agents } Messrs. MAY, ROBERTS & CO., Ltd., Westmoreland St., DUBLIN.

This time last year

the sugar shortage was acute and the output of Mentholated Bronchial Lozenges was extremely limited. Used tin tubes were being eagerly sought for melting down, and even then the supply of Euthymol Tooth Paste was restricted. To-day there is much to be thankful for, in spite of bottle troubles.

At the moment special attention is directed to the following:

33% Cod Liver Oil Emulsion, P., D. & Co.

Bottle difficulties are almost overcome, and good supplies are available at the moment.

Medical men specify "P., D. & Co." Emulsion on account of its stability, palatability, and guaranteed 33% content of non-freezing Cod Liver Oil.

5 fl. oz.	....	....	1/8
7½ fl. oz.	....	....	2/4
(emergency size)			
16 fl. oz.	....	....	4/6

Improved Bronchial Lozenges

A well-finished tablet, made by compression. The formula is disclosed; as it includes no narcotic or astringent ingredient, Improved Bronchial Lozenges may be recommended for children or for long-continued use.

Box of 36 9d.

Mentholated Bronchial Lozenges

This effective tablet is more popular than ever. Pharmacists who have given it prominence, find that one sale, by repeats and personal recommendation, makes many. The absence of corners on the lozenges is a strong selling point.

Tin of 36 1/-

Oral Antiseptic Tablets

A pleasant combination of formaldehyde and menthol with a suitable base. The convenience of the vest-pocket vial is very generally appreciated. The demand last winter was larger than ever.

Pocket Vials of 36 1/3
Bottles of 100 2/-

At the same time it is particularly desirable to replenish stocks of Boroseptic Ointment, Capsolin, Euthymol Cold Cream, Euthymol Cream, Euthymol Talcum Powder, Inhalone, Stimulating Embrocation, and other preparations required in winter.

PARKE, DAVIS & CO.
50-54 Beak Street, LONDON, W.1.
Laboratories : : Hounslow, Middlesex.

PHYSIOLOGICAL STANDARDISATION

TRADE
MARK

'WELLCOME' BRAND

PRODUCTS

To protect your reputation in dispensing medicines which cannot be standardised accurately by chemical means, make a point of using 'Wellcome' Brand physiologically-standardised products.

The physiological standardisation of these products is carried out for Burroughs Wellcome & Co. at the Wellcome Physiological Research Laboratories. The skilled staff of highly-qualified experts in these laboratories is provided with every facility known to modern science. The advantage of this to your dispensing service is obvious. Let the local medical men know that you use 'WELLCOME' products. It is an important point in favour of your pharmacy.

PHYSIOLOGICALLY CONTROLLED PRODUCTS:

'WELLCOME' BRAND— (Trade Mark)

- „ Cannabis Indica, B.P. Extract
Pots of oz. 1 and oz. 4
- „ Cannabis Indica, B.P. Tincture
Bottles of fl. oz. 4, fl. oz. 8 and fl. oz. 16
- „ Cannabis Indica, Concentrated
Tincture (1—9)
Bottles of fl. oz. 4, fl. oz. 8 and fl. oz. 16
- „ Digitalis, B.P. Tincture
Bottles of fl. oz. 4, fl. oz. 8 and fl. oz. 16
- „ Digitalis, Concentrated Tincture (1—4)
Bottles of fl. oz. 4, fl. oz. 8 and fl. oz. 16
- „ Ergot, B.P. Extract (Ergotin)
Pots of oz. 1 and oz. 8

'WELLCOME' BRAND— (Trade Mark)

- „ Ergot, Granular Extract
Bottles of oz. 1
- „ Ergot, B.P. Liquid Extract
Bottles of fl. oz. 4, fl. oz. 8 and fl. oz. 16
- „ Squill, B.P. Tincture
Bottles of fl. oz. 4, fl. oz. 8 and fl. oz. 16
- „ Squill, Concentrated Tincture (1—4)
Bottles of fl. oz. 4, fl. oz. 8 and fl. oz. 16
- „ Strophanthin
Bottles of gr. 5 and gm. 1
- „ Strophanthus, Concentrated Tincture (1—4)
Bottles of fl. oz. 4, fl. oz. 8 and fl. oz. 16

Prices upon application



BURROUGHS WELLCOME & CO., LONDON

For the Busy Pharmacist.

A Reliable WINTER LINE. SELLS WELL—GOOD PROFIT, and gives Entire Satisfaction to the Public.

MD COUGH CURE

RETAIL, 1/3	WHOLESALE, 10/- per doz.	} Less our Profit-Sharing Discount of 10%
„ 2/3	„ 18/- „	
„ 4/-	„ 32/- „	

This line is cartoned in an attractive, forceful and saleable style.

Large Window Bill and Showcard Supplied. Send at once for Sample Assorted Gross, Carriage Paid. Only qualified Chemists supplied.

CUPAL LIMITED, BLACKBURN.

The British Cyanides Company, Limited,

Sales Office: 49 Queen Victoria Street, London, E.C. 4.

Telegrams: "Cyanobrit, Cannon, London."

Telephone: Central 6273 (2 lines)

POTASH

COMPOUNDS

Manufactured in England from English Potash.

PERMANGANATE OF POTASH.	YELLOW PRUSSiate OF POTASH.	RED PRUSSiate OF POTASH.
------------------------------------	--	-------------------------------------

Orders for less than 100 lb. not accepted by us.



A Weekly Journal of Pharmacy and of the Chemical
and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in Australia, New Zealand and South Africa.

SUBSCRIPTION RATES.

FIFTEEN SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, 6d.; *Diary* 3s. 6d. post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martin's Ltd."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 15s., franco.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 15 ch., franco.

Terms for advertising may be obtained on application to the Publisher
Head Office: 42 CANNON STREET, LONDON, E.C. 4.
Telegrams: "Chemicus Cannon, London." Telephone Central 3617 (three lines).
Branch Offices: MELBOURNE AND SYDNEY, AUSTRALIA.

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Coming Events.

Tuesday, November 11.

National Association of Chemists' Assistants, Church Institute, Alleen Place, Leeds, at 8 p.m. Meeting.

Birmingham Pharmaceutical Association, Imperial Hotel. Address to pharmacy students by Mr. W. L. Currie (President of the Pharmaceutical Society).

Baling Pharmacists' Association, Eden's Restaurant, High Street, at 8.30 p.m. Captain E. A. Atkins on "The Development of Ant-Gas Department during the War."

Wednesday, November 12.

National Association of Chemists' Assistants, Clarion Café, 50a Market Street, Manchester, at 7.30 p.m. Social evening.

Leicester Pharmaceutical Assistants' Association. Mr. Burford, Ph.C., on "Milk."

Manchester Pharmaceutical Association, 69 Market Street, at 3 p.m. Mr. W. L. Currie on "The Present Position of Pharmacy."

Thursday, November 13.

London (South East) Chemists' Association, Limes Hall, Limes Grove, Lewisham. Whist-drive and social evening. Tickets (4s. each) from Mr. W. Sayers, 63 High Street, Lewisham, S.E. 13.

Salford Pharmaceutical Association. Address by Mr. J. W. Deakin, J.P. (Chairman of the Local Associations Executive).

Friday, November 14.

Sheffield Pharmaceutical Students' Association, Central Café, High Street, at 8 p.m. Mr. John Austen, Ph.C., on "The Poisonous Plants of Great Britain."

THE PHARMACY UNIT OF THE INCORPORATED ASSOCIATION OF HOSPITAL OFFICERS will hold a meeting at 28 Bedford Square, London, W.C., on November 28 at 7.30 p.m., when Mr. T. Whitmore Peck, chief pharmacist to the General Hospital, Birmingham, will initiate a discussion on "Salaries of Hospital Dispensers."

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Exportation Notices.

The "London Gazette," October 31, contains a notice deleting the heading relating to edible oils and fats and substituting the following: (A) Coconut oil; (A) groundnut oil; (A) palm-kernel oil. The item referring to lard is altered to the following: (A) Lard, except imitation (compound) lard and neutral lard. Mustard-seed is deleted from the list of prohibited exports.

Turpentine Control Suspended.

On March 18 the Turpentine, etc., Control Order, 1918, was suspended, except as relating to turpentine substitute. There has now been issued the Turpentine, etc., Control (Complete Suspension) Order, which includes the suspension of turpentine substitutes, i.e., mineral turpentine, white spirit, white oil, or any product of petroleum under whatever name sold or known (except motor-spirit and benzine) capable of being used as a substitute for spirits of turpentine.

Birmingham.

For removing a glass shade from the works of Chance Bros. & Co., Ltd., a workman named Adams was fined 1l. on November 3 at Smethwick Police Court.

One effect of the Profiteering Act in this locality is that some traders are declining to sell less than 7 lb. (or, perhaps, 14 lb.) of a commodity at a time.

It is stated that there is a desire in some quarters to establish a pharmacy section of the Birmingham Chamber of Commerce. At least twenty members would be required.

The medals and prizes which it is proposed to offer for competition at the newly-formed Birmingham School of Pharmacy are, it is understood, to be worthy of the city and the Birmingham Pharmaceutical Association.

Mr. George Cadbury, sen., recently unveiled an oak-and-bronze tablet as a memorial to eighty-eight members of the Bourneville Works Athletic Club who fell in the war. One of his two sons, it is interesting to note, brought down two Zeppelins—a unique distinction.

Mr. Wilfred Hill addressed the members of the Kings Heath Institute on October 29 on "From Boulogne to Cologne." He had recently paid a visit to our Army on behalf of the Government. In his tour he was arrested as a spy! He commented adversely on the curtailing of British hours of labour at a time like the present, when there is a great demand for British goods.

Liverpool.

Mr. Edwin Thompson and Mr. Robert C. Herman have been re-elected, each with a large majority, to the city council.

Mr. M. C. Greening, whose marriage is announced on p. 54 of this issue, is an old resident of Liverpool; he was for some time with Evans Sons Lescher & Webb, Ltd., before taking up his present position.

A down-town pharmacist was looking over a batch of new company prospectuses, which have descended in showers this week, when his shop-boy, aged fifteen, remarked that he had copies at home. The explanation appeared to be that the youth had invested in War Savings Certificates, and his name was obtained from a list of the holders.

Mr. T. Fell Abraham, Bold Street, Liverpool, and Mr. Righton, Southport, were among the delegates attending the first autumnal Conference of the British Federation of Trade Protection Societies held at Manchester. Mr. Abraham spoke in support of a resolution against the nationalisation of industries, but said he thought that the State should control mining royalties.

Mr. J. Spencer Halliwell (John S. Halliwell & Co., Ltd., wholesale chemists, Canning Place, Liverpool) is the first Worshipful Master of the Red Triangle Lodge, No. 4,000, consecrated on October 21 at the Freemasons' Hall,

London. He was one of the founders of the first Red Triangle Lodge consecrated in Liverpool, and has since devoted most of his time to Y.M.C.A. work at "Lincoln Lodge." One of his sons has been gazetted captain in the Royal Air Force, and the other is in his father's business. John S. Halliwell & Co., Ltd., had a curious experience recently. They bought premises one afternoon at 2.30. At 3 o'clock they sub-let an upper floor. At 5 o'clock it was found that the premises were on fire! Fortunately, the damage was slight.

Manchester.

Pharmacy has evidently come into its own in Manchester University, judging from the following placard which is pasted up in one of the corridors of the building: "Who goes there? Are you a *pharmacy* student? If so are you investing your money to the best advantage? The only way to do this is to join the *Biological Society*, absolutely the best Society in the College—and," some wag has added in pencil, "the most modest." There are in the Pharmaceutical Department of the University this session ninety-six students, of whom sixty-five are State-aided. Six others come under the O.U.T.C. scheme of State-aid or have Red Cross scholarships, and twelve are following out the courses for the degree in pharmaceuticals. In this connection it may be noted that at the degree ceremony last July Miss Gwendolen Humphreys, daughter of Mr. G. Humphreys, Ph.C., Northwich, received the degree of B.Sc., having passed in the first division in chemistry and pharmaceuticals.

The students in the department are organising a "social" in the form of a dance and whist-drive in the student's union buildings on November 21. Last session a similar function was held, and proved a most enjoyable and successful affair. The department is under the direction of Mr. James Grier, M.Sc., Ph.C., assisted by Miss Ivy Roberts, B.Sc., Ph.C., Pereira medallist, and Miss Jeanette Duncan, chemist and druggist, and is part of the department of materia medica, pharmacology, and therapeutics, of which Dr. R. B. Wild is Leech Professor.

Miscellaneous.

FIRE.—An outbreak of fire occurred on October 30 on the premises of Stafford Allen & Sons, Ltd., 7 Cowper Street, London, E.C. 2. The damage was confined to the laboratory, where one employé received burns necessitating his removal to hospital.

SUGAR IMPORTS.—The Sugar (Restriction of Delivery) Order, 1919, has been issued this week by the Food Controller. Under this Order a person shall not, except under the authority of the Food Controller, take delivery in this country, either on his own behalf or on behalf of any other person, of any sugar which may arrive here after December 27 next.

INQUEST ON A CHEMIST.—An inquest was held at Hull, on October 31, on the body of Mr. Thomas William Agar, chemist and druggist, Newland Avenue. The widow stated in evidence that on October 28, after a slight difference between her husband and herself, he suddenly drank hydrocyanic acid from a bottle. A verdict of "Suicide while of unsound mind" was returned.

VACCINATION FEES.—The Minister of Health has decided to issue an Order increasing to 5s. the minimum fees of 2s. 6d. and 3s. 6d. prescribed for primary vaccination performed at the homes of the persons vaccinated. The new Order will come into force on December 1. It does not affect public vaccinators, who are already receiving the new minimum or a higher fee. The guardians, if they so desire, may pay a higher fee, subject to the Minister's approval.

POISONINGS.—An inquest was held in Lambeth, London, S.E., on November 3, on the body of a Mrs. Townsend, whose death was shown to be due to hydrochloric acid. It was stated in evidence that the acid was taken in mistake for chlorodyne, bottles containing both having been left on the same shelf. A verdict of "Death by misadventure" was returned.—A similar accident occurred recently at Stapleford, Notts, a solution of potassium cyanide being

drunk by a girl named Ward in mistake for ammoniated tincture of quinine. The bottle containing the solution, it is stated, was labelled "Ammoniated Tincture of Quinine."

SALE OF FOOD AND DRUGS ACTS.—In the latest quarterly report of the inspector to the Durham County Council under the Sale of Food and Drugs Acts, it is stated that a written warranty was produced in a case in which a retail chemist had sold camphorated oil containing only 16.88 per cent. of camphor. The wholesalers subsequently wrote assuming the entire responsibility, and added the following explanation: "We can only imagine, and this is quite a surmise on our part, that the laboratory assistant who had this manufacture in hand has forgotten to take the tare of the camphor cases, taking the gross weight as net." The letter also explained that the firm had been in business since 1842 without a complaint of this kind, and that their whole supply had been called in from all parts of the country. No further action was taken by the inspector.—At Lambeth Police Court, London, on October 29, James A. Haye, oilman, 1 Burnett Street, S.E., was fined 10s., with 10s. costs, for selling vinegar certified as deficient in acetic acid to the extent of 37 per cent.

IN THE COURTS.—At Aberdare Police Court, on October 29, the Cwmnach Co-operative Society, Ltd., was summoned for selling wine without a licence. The evidence showed that an Excise officer asked for a bottle of Wincarnis or Hall's wine at defendants' Aberaman shop. He was informed that this was out of stock, but he was offered a bottle of port wine, for which he paid 7s. 6d. For the defence it was stated that there had been no intention to defraud the Revenue, but that a case of wine intended for another branch (which held a licence) was delivered in error at Aberaman. The Bench fined the Society 10l. with 15l. 15s. costs.—At Nottingham Police Court, on November 1, John Westcote was fined 5l., and J. Thornhill 2l., for being concerned in stealing soap valued at 5l. 15s., the property of Boots, Ltd.—At Bow Street Police Court, London, on November 1, four men were charged, *inter alia*, with being concerned together in having in their possession, without authority, eight "packets" of cocaine, contrary to Regulation 40b of the Defence of the Realm Regulations. The magistrate said that as the cocaine was in a van to which all the men had access it would be impossible to fix the responsibility for it, and this charge would be withdrawn.—At Aberystwyth, on November 4, charges of uttering forged 1l. Treasury notes were preferred against William David Ladd, manager to Boots, Ltd., High Street, Cardigan; May Ladd, his wife; Lilian Florence Ridgeway, a housekeeper; Daniel Thomas Ladd, a painter; and Elizabeth Ann Davies, a domestic servant, all of Cardigan. It was stated that when arrested William David Ladd said, "What has happened would not have happened only for the ill-health of my wife and myself, and the great expense to which I have been put." This prisoner handed over a 1l. Treasury note, and also a quantity of photographic paper. A remand was ordered.—At the recent Northampton Quarter Sessions, W. H. Llewellyn was sentenced to eighteen months' hard labour for stealing cheque forms, the property of Mr. Evan Charles Ashford, chemist and druggist, Gold Street, Northampton (C. & D., October 18, p. 44).

ZANZIBAR CHILLIES.—The export declined from 500,000 lb. in 1905 to 117,040 lb., valued at Rs. 39,285. in 1918; the reason is that the native classes which formerly cultivated chillies have turned their attention to cloves. The price per frasila (35 lb.) ranged between Rs. 5½ and Rs. 8¼.

GIFT TO CAMBRIDGE UNIVERSITY.—Dr. Nuttall, the Quick Professor of Biology, has received a letter for transmission to the Vice-Chancellor of Cambridge University from Mr. P. A. Molteno (Trinity College) and his wife, stating that they will be glad to present to the University 30,000l. for the erection and maintenance of a suitable building to be used in future as an institute for parasitological research in the University, provided that the University finds the site.

Irish News.

Sale of Cocaine.

In the Southern Police Court, Dublin, on November 4, before Mr. Swift, K.C., Hayes, Conyngham & Robinson, Ltd., and Malachy J. O'Callaghan, chemists, 7 Duggan Place, Rathmines, were summoned for having compounded and supplied a mixture in which cocaine was an ingredient on August 13, a similar mixture having been already supplied on August 8, the date on which the prescription authorised it to be supplied. The solicitor for the defendants said a technical offence had been committed by Mr. O'Callaghan, who is a manager for Hayes, Conyngham & Robinson. The company had sent a circular to all their employes when the D.O.R.A. Regulation was made to take care that it would be adhered to. On August 13, when the mixture was renewed, it was explained that the lady for whom it was required was in great danger, and as a matter of fact she died that night. Mr. Swift imposed a fine of 40s.

Brevities.

Mr. H. J. Manley, Ph.C., Ballybay, has purchased Dunwoody's Medical Hall, of which he has been manager for the past four years.

Mr. R. Hastings, J.P., R.D., Newcastle, co. Down, has resigned the position of Hon. Secretary and Treasurer to the Lifeboat Committee.

Sir Stanley Harrington and Mr. A. R. Lester, Ph.C., have been elected as members of the Executive Committee of the Cork Employers' Federation.

The Enniskillen chemists decided unanimously to open for two hours only on Sunday forenoon and for one in the afternoon, commencing from November 2.

Dr. J. C. McWalter, Ph.C., is a candidate for the position of direct representative for Ireland of medical men on the General Medical Council. He has issued a spirited address.

A Chamber of Commerce has been formed in Ballymena, co. Antrim, and amongst the members of the Council is Mr. J. A. Woodside, J.P., Ph.C., who with Mr. H. Lancashire, Ph.C. (Chairman of the Urban Council), took a prominent part in the establishment of the new body.

At the annual meeting of the Northern Banking Co., Ltd., held at Belfast on October 30, Mr. Robert Cambridge, J.P., R.D., Carrickfergus (Ex-President of the Chemists' and Druggists' Society of Ireland), was elected a member of the Committee of Superintendence for the ensuing year.

Wm. Dobbin & Co., Ltd., wholesale druggists, North Street, Belfast, announce that on and after November 3 the hours of business will be from 9 A.M. till 1.15 P.M. and from 2.30 P.M. till 6 P.M., except on Wednesday, when the closing-hour will be 1.15 P.M., and on Saturday 9.30 P.M. These changes are for the benefit of the assistants.

Mr. Edward Owens, organiser for the North of Ireland of the National Union of Shop Assistants, Warehousemen, and Clerks, who died of pneumonia on November 2, had been identified with the chemists' assistants section of that union, and was one of their principal speakers in the recent negotiations for increased wages. He appeared frequently before the Ulster Retail Drug Trade Association, and was also engaged in the Joint Industrial Council in Dublin.

Scottish News.

Brevities.

Mr. G. T. Ferrie, pharmacist, Kirkliston, describes his shop as the "National Insurance Dispensary" for Mid and West Lothian.

Medical practitioners in the Aberdeen division of the British Medical Association have resolved that a substantial increase, proportionate to the increased cost of living and working expenses, shall be made in medical fees.

The following pharmacists have been returned at the Scottish town council elections which have just taken place: Mr. W. Watts, Crieff; Mr. Angus Macdonald, Dunfermline; Mr. George G. Hill, Rothesay; and Mr. J. W. Plenderleith, Montrose.

The annual meeting of the Incorporated Guildry Brethren of Linlithgow took place recently. Mr. Edward Spence, pharmacist, Edinburgh, and Mr. William W. Spence, "Chloroform Pharmacy," Linlithgow, were re-elected to the Dean of Guild's Council.

Provost Raffan, chemist and druggist, Stirling, accompanied by about 100 of the inhabitants of the town, carried out, recently, the old-world formality of "walking the marches." The party was divided into three companies, each headed by a captain, a piper, and two "birlawmen" armed with pick and shovel to remove any obstruction that might hide the boundary line of the properties.

Mr. James McNaughton, chemist and druggist, Port Glasgow, who has been in business for many years, has taken into partnership Mr. C. A. Binck, chemist and druggist, Greenock, and the business will be continued under the name of McNaughton & Binck. Mr. Binck is well known in pharmacy circles in the West of Scotland. Serving his apprenticeship with Mr. W. B. Wright, Greenock, he was for some years with Mr. A. C. Macintyre, of that town, migrating to Glasgow to become assistant under Mr. Alexander Murray, now the secretary of the newly-formed Scottish Pharmaceutical Federation. Mr. Binck next went to John McMillan & Co., Ltd., Hillhead, where he remained until called upon for service at the Scottish Filling Factory, Georgetown, as assistant analytical chemist. He qualified last January. His many friends wish him a long and prosperous innings in his new sphere.

Aberdeen.

Mr. Harry Thompson, chemist and druggist, has been elected a Burgess of the Guildry of Aberdeen.

Mr. Walter Stavert, chemist and druggist, Kirkcaldy, who is now in business as an optician, has been elected secretary of the Kirkcaldy Literary Society.

Edinburgh.

Recent dog thefts in the Edinburgh district have been marked by the accompanying use of poison.

At closing-time the other Saturday evening, after a busy day, a local chemist was mildly astonished when a youth walked in, handed over a bill, and remarked, affably, "Vote for Labour, please!"

Dr. D. S. Jordan, chairman of the Edinburgh and East of Scotland section of the Society of Chemical Industry, recently addressed the section of the more important applications of catalysis in industrial chemistry.

Addressing an Edinburgh meeting of medical practitioners recently, Dr. Ebenezer Duncan, Glasgow, advocated the elimination of elementary chemistry, botany, and physics from the medical curriculum, suggesting that these subjects should be studied in secondary schools.

Glasgow.

Professor G. C. Henderson has been presented, on the occasion of his appointment as Regius Professor of Chemistry in the University of Glasgow, with a silver rose-bowl subscribed for by students and the staff of the chemistry department of the Royal Technical College.

At Shettleston, recently, James Brown, grocer, was charged with selling as cream of tartar a substance consisting entirely of calcium acid phosphate and starch. In pleading guilty, respondent said the article was bought during his absence as cream of tartar, labelled as such, and sold in ignorance as genuine. A fine of 3*l.* 3*s.* was imposed.

The death is announced of Dr. J. C. Renton, a prominent Glasgow physician, aged seventy. Few medical men were better known by the older generation of chemists, and few had such a high opinion of pharmacy. Dr. Renton was an intimate friend of the late Mr. John MacMillan, chemist and druggist, St. George's Cross, and together these gentlemen carried out a good deal of research work.

Legal Reports.

Importation of Pyrogallol.—Mr. Justice Sankey, in the King's Bench Division, on November 4, had before him an application by Mr. R. A. Wright, K.C., to fix a date for the hearing of a Revenue action, the Attorney-General v. Brown and Firth (*C. & D.*, November 1, p. 57). The defendants are chemical manufacturers, of Farringdon Street, E.C., and Manchester, and the action arises out of the seizure of certain pyrogallol acid by the Customs, the importation of which acid was alleged by the Government to have been prohibited by a proclamation under the Customs Act. Mr. R. A. Wright said the point was a short one, and a convenient day for the Attorney-General for the hearing would be November 18. His Lordship said he would fix the date for the hearing as suggested.

Unstamped Medicines.—At Loughborough Police Court, on November 5, Sidney Forest Lloyd, herbalist, 23 Lake Road, Portsmouth, was summoned under the Medicine Stamp Act, 1812, for selling and exposing for sale medicines liable to duty without having a licence; he was further charged that the box containing the medicines had not a duty stamp. Mr. E. R. Booth, prosecuting for the Customs and Excise, said that the defendant was a herbalist who went round the markets all over the country. On August 7 he was addressing a crowd, recommending his herbal pills. A handbill which was wrapped round the box when sold said that it was necessary to purify the blood by herbal remedies. In his defence, defendant said he did not claim that Lloyd's Herbal Pills were necessary to purify the blood. He further stated that he claimed no proprietary right in the pills, nor that they were a secret preparation. He was simply evading, and not breaking, the law. On the summons for not having a licence, Mr. Booth said defendant had one for premises in Portsmouth, but that did not apply elsewhere. Defendant said market-place licences could not be obtained. He was fined 11., including costs, in each case.

Is Dispensing a Sale?—Sir R. D. Muir moved in the King's Bench Division on November 3, consisting of the Lord Chief Justice and Justices Sankey and Coleridge, for a writ of prohibition directed to the local Committee for Wood Green under the Profiteering Act, 1919, and also directed to Mr. E. H. Scattergood, 136 High Road, Wood Green, and to the Board of Trade. Counsel said that the short point he had to submit to the Court was that the making up or dispensing of a prescription by a chemist was not the sale of an article within the meaning of the Profiteering Act. Mr. Scattergood took a prescription to Boots Cash Chemists (Southern), Ltd., on whose behalf this application was made. They were retail chemists and druggists, and retailed the drugs manufactured by another company of similar name, but which was a separate company called Boots Pure Drug Co., Ltd. There was an exactly similar case in which he also applied for a writ. This referred to the same prescription, which was taken to another chemist, Mr. Charles Coulter, of High Road, Wood Green. Exactly the same facts and arguments applied to this case. Boots Cash Chemists offered to dispense the prescription for 3s. 4d. and Mr. Charles Coulter offered to dispense it for 5s. 6d. Neither of them, in fact, dispensed it, Mr. Scattergood taking it elsewhere. The acts in both cases took place on October 16 and a summons, in the form of a letter, from the clerk to the Local Committee was issued on October 23. The hearing was fixed for October 27 by the local Committee. Boots, Ltd., attended by their solicitor, who took objection to the Committee's jurisdiction, on the ground that dispensing was not a sale of an article, and, therefore, the local Committee had no jurisdiction to deal with it. His objection was overruled, and the Committee proceeded to hear the matter. But some mistake had occurred as to the shop to which the prescription had been taken, and the matter was adjourned for fourteen days, so that no decision had yet been come to.

The Lord Chief Justice: As I understand you the question is whether dispensing comes within the definition "sale of an article."

Sir R. D. Muir: The question also incidentally arises as to whether these are bodies to which a writ of prohibition could go. I think it is quite clear that they are. Since the Act was passed numerous Orders have been issued, and these Orders are communicated to the Press. The only one which has any sort of application to drugs or medicines is one which is published in the *Gazette* of October 17, that is the day after the offence is said to have been committed, but the Order is, in fact, dated two days before the offence, and was to come into force forthwith. Therefore, presumably, it creates the offence in time to deal with the matter. The operative part of the order is this:

Now, therefore, the Board of Trade do hereby declare that the articles or class of articles set out in the schedule annexed hereto are articles of a kind in common use by the public, and are articles which are not controlled, and do hereby order that the Profiteering Act, 1919, shall apply to each and every article or class of articles contained in the schedule to this order.

The only schedule that relates to this matter, proceeded counsel, is letter F:

all drugs, excluding quinine sulphate, which is controlled, and medicinal preparations, including tooth-powders, talcum powders, and fuller's earth.

Sir R. D. Muir said his first submission was that a prescription which had to be made up was not a drug within that schedule. It was obviously specific drugs that were mentioned as articles, and they included quinine sulphate. His second submission was that a prescription was not a medicinal preparation within the schedule which included tooth-powders and fuller's earth. The medicinal preparation included in the schedule was an article for sale which had been made up beforehand, such as vaseline or something of that kind, which could be asked for and was handed over the counter. That, he maintained, was the class of transaction dealt with by the Act. Unless the schedule specifically included a prescription it was not brought within the Act, because only those articles declared by the Board of Trade to come within the Act did, in fact, come within it. The only way in which this matter could be tested in the Court was by way of prohibition.

The Lord Chief Justice: I cannot see why you say a prescription is not a medicinal preparation.

Sir R. D. Muir: It is not a medicinal article in the sense that it is an article for sale. A prescription is not an article at all; it is something brought in to the chemist for him to make up, and it does not become a medicinal article after it is made up.

The Lord Chief Justice: Does not he make up an article?

Sir R. D. Muir: The dispensing of a prescription is not selling an article within the meaning of this statute. What the chemist charges for is his skill and knowledge, and not the drugs. It is no more the sale of an article than a barrister's opinion is the sale of the paper on which it is given, or the preparation of a deed by a solicitor is a sale of the parchment on which it is written. It is not the value of the parchment that is sold, but the skill and knowledge that are employed in drafting the document in its proper legal form. In the same way a chemist who dispenses a prescription is paid not for the article but for the skill and knowledge bestowed on the preparation.

The Lord Chief Justice: We think you may have the rule, but it must be returnable quickly, as this is a matter that should be dealt with promptly.

The rule was made returnable for November 8, when the point will be argued.

Venereal Disease Act.—At Bow Street Police Court, London, on November 4, before Mr. Graham Campbell, Cecil R. Jamblin and Francis M. Dawson appeared in answer to summonses for having, on September 9, October 8, and October 9, 1919, at 73 Red Lion Street, W.C., where a business was carried on in the name of Constantine and Jackson, Ltd., held out to the public, by a certain advertisement in their catalogue under the

heading "Antifetion Ointment," a certain ointment as a medicine for the prevention of venereal disease, contrary to Section 11. (2) of the Venereal Disease Act, 1917. Mr. H. Muskett appeared in support of the summonses on behalf of the Commissioner of Police; Mr. J. D. Cassels was counsel for the defence. The defendants having elected to be dealt with in that Court, Mr. Cassels intimated that he had advised his clients to plead "Guilty" to one of the summonses—that referring to September 9. Mr. Muskett said that the summonses dealt with the same offence committed on three separate days. They charged the defendants with holding out to the public in an advertisement headed "Antifetion Ointment," on page 18 of their catalogue, the ointment in question as a medicament for the prevention of venereal disease. By pleading "Guilty" his learned friend had relieved him (Mr. Muskett) of a good deal of trouble. On behalf of the police authorities, he did not wish to put the case forward as one calling for an extreme penalty. The business of Constantine & Jackson, Ltd., was carried on in premises in Chancery Lane and 73 Red Lion Street. The company was what was generally described as a one-man company. There were 2,000 shares, of which the defendant Jamblin, who was managing director, held 1,999, the only other share being held by his wife. He had quite properly, from the outset, taken on his shoulders direct responsibility in this particular matter; had he not done so it might have been necessary to summon the company or some other persons. It was quite right of Mr. Jamblin to accept responsibility, because the other defendant, Dawson, although it was his hand that committed the offences, held only a subordinate position as manager. The nature of the business carried on by the company would be apparent to the magistrate from a glance at the catalogue (produced), and need not be elaborated by him. It was what was called a rubber and surgical-appliances establishment. Most of them nowadays knew what that meant, and if they did not the catalogue would soon enlighten them. The advertisement on page 18 could leave no doubt in the mind of anyone as to its meaning. A copy of the catalogue containing the advertisement was obtained by Detective-Sergeant Dodd on September 9. He simply went into the shop in Red Lion Street and asked for it, and it was handed to him. Two lines in blue pencil were marked through the advertisement of "Antifetion Ointment," apparently to enable the firm to say that the catalogue was being published without that advertisement being in active use in it. Any contention of that kind, however, would have failed, because it could be shown by evidence that the advertisement was in full force on September 27, when a police-constable went to the establishment in Red Lion Street by instruction. Dawson was again in charge of the shop. After some conversation, Dawson supplied the constable with a small wooden box containing some ointment, which he said was exactly the same as that advertised on page 18 of the catalogue. He charged 2s. for it, and gave the officer directions how to use it in almost the same words as appeared in the catalogue itself. Although the matter of price was no part of the case here, he might mention that when the ointment was analysed it was found to contain a certain proportion of calomel—which was, in fact, one of the drugs used for the cure of venereal disease—plus a little lanolin, to the total value at the most of 2d. By his (Mr. Muskett's) direction, further visits were paid to the shop in Red Lion Street by two officers on October 8 and 9, and they obtained without difficulty from Dawson copies of the catalogue—again with the advertisement of "Antifetion Ointment" crossed out with blue pencil marks, so that there could be no doubt the pretence of excising that advertisement was the rule. Dawson was seen in due course by Inspector Curry, and declined to take personal responsibility. Jamblin was seen by Inspector Curry on the same day, and, as before stated, he did take upon his own shoulders full responsibility for what had occurred. He added, however, that instructions had been given to the porter to tear out of

all the catalogues the page containing the advertisement of "Antifetion Ointment," but that he appeared not to have done so. Then Jamblin went on to say (which, in fact, was not correct). "We don't advertise the ointment, and we have not sold it since the Act came into force." Dawson also said he had not sold any, and contended that it was an open question whether the ointment could be legally sold or not, as it was a standard medicine—nothing but a little calomel. He (Mr. Muskett) called the Magistrate's attention to the printed matter on the other side of page 18 of the catalogue. He would not read it in public, but it appeared from it that the firm was at least sailing very near the wind in the matter of treating venereal disease. These proceedings, however, had no reference to that part of the catalogue. The Magistrate: I see it says "All consultations are free, and all advice gratis." Mr. Muskett: Yes, but that must be taken with many grains of salt. (Laughter.) Mr. Cassels, for the defence, said the defendants had taken his advice in pleading guilty to one of the summonses, because they did not wish to contest the fact of having issued the catalogue; but he would like to point out that all the copies of the catalogue which had been obtained by the police and which had been produced in Court had two blue pencil-marks through the matter relating to "Antifetion Ointment." He could not contend that such a form of deletion would entitle him to ask that the summonses should be dismissed, but he would draw attention to the fact that they had not only adopted that measure in regard to the catalogues in their possession, but had from the time of the Act coming into force adopted the much better method of tearing out all the pages containing the advertisement, and that was the course being adopted now with all the remaining catalogues in print. If their instructions in that respect had been fully carried out it would have obviated all cause of complaint. Although there had been a sale of the ointment to the police, his clients were not summoned for that offence, and therefore he asked the Magistrate not to pay undue attention to that incident. This Act had been in force two and a half years, and during that time the police had had ample opportunity of keeping the defendant firm under observation. The firm dealt in a class of goods which might cause the attention of the police to be directed to them, yet during the whole of those two and a half years there had been no charge against them of any breach of the Act. The firm had been established fifty years. During the whole of that time they had been summoned in a police court only once—that being in respect of a patent-medicine stamp—and as the offence now charged was not one of the most serious it was possible to bring under the Act, he trusted, after what had been so rightly and generously said by Mr. Muskett, that the sentence would be a lenient one. Mr. Jamblin would take, as he had done from the first, full responsibility. Mr. Graham Campbell said Jamblin must pay a fine of 26l. 5s., with 10l. 10s. costs. Dawson would be fined 10l.—At Edinburgh Sheriff Court, recently, Louis Parker Wade, 50 Brighton Place, Portobello, was charged with treating for reward a venereal patient on two occasions, he not being a qualified practitioner. He pleaded "Not guilty." The charge was found to be proved, and the Sheriff-Substitute, after remarking that the case was the first of its kind in that court, imposed a penalty of 25l.

Gazette.

Bankruptcy Acts.

RETIVING ORDER.

NEWICK, G. E., 74 Great Tower Street, London, E.C., lately at 203 St. James' Road, Croydon, wholesale chemist.

Partnership Dissolved.

ROSCOW, T. R., and SMITH, O. J., B. one Street, South Shore, Blackpool, manufacturing chemists, under the style of Roscow & Smith.

The Profiteering Act.

CHAMBER OF COMMERCE TAKES ACTION.

THE trades committee of the Cambridge Chamber of Commerce has decided to take the necessary steps to protect the interests of members of the chamber affected by the provisions of the Profiteering Act, 1919. An advisory sub-committee has been appointed, and application for advice should be made to the secretary, 9 Market Hill. Mr. W. F. Turner, chemist and druggist, who represents the Cambridge and District Pharmaceutical Association in the chamber, has been pressing for action of this kind on the suggestion of his Association.

COMPLAINTS.

BLACKBURN.—At the sitting of the Profiteering Committee on November 4, a case was called in which the respondents were Taylors' Drug Co., Ltd. The chairman of the company, (from Leeds) represented the firm and asked for the case to be heard in private. Many trade figures would be gone into, and as a question of principle was involved he submitted that it was a case which ought to be heard in private, as provided for in the regulations. The chairman, after two consultations, said it had been decided to hear the case in private. After the hearing and a further consultation in private, the chairman announced that this was a matter of the greatest difficulty. The case would be adjourned *sine die* until some court of competent jurisdiction had decided whether profit was based on cost prices or replacement prices. The parties would be notified of the decision in due course. It was announced that the President and secretary of the local Chemists' Association were in court and were prepared to give evidence that all the members of the Association followed the course Taylors' Drug Co., Ltd., had taken in that case.

BRENTWOOD.—At the sitting of the Profiteering Committee on October 29, a complaint was made as to an alleged overcharge for methylated spirit by E. P. Guest, Ltd., chemists, High Street. The charge made was 9d. for $\frac{1}{2}$ pint. The buyer added that he had never paid more than 1s. 4d. a pint. Mr. R. Ward Jones, chemist and druggist, a director of E. P. Guest, Ltd., said that in a complicated business like a chemist's they had to work by a standard price-list. He produced the printed price-list showing that the charge for methylated spirit was 1s. 8d. per pint. He claimed that a chemist was entitled to charge a little more than an ordinary oil shop. He produced invoices showing that the cost to him was 9s. 8d. a gallon, and added that loss by evaporation, the trouble attached to small sales, and the probability of being rung up when other shops are closed should be taken into consideration. The case was dismissed. Mr. Jones: Thank you. I wish to lodge an emphatic protest against this sort of thing—it is simply a piece of petty spite.

CHESTER.—At the sitting of the Profiteering Committee on October 31, a complainant alleged that he had been charged an excessive price (1s. 8d.) for a 2-oz. jar of Lemco, which he purchased from J. W. Huke, chemist, Foregate Street. He said that the price at other shops at which he had inquired was 1s. 2 $\frac{1}{2}$ d., which was the price he had previously paid. Mr. Hughes, solicitor, who appeared for Mr. R. Cecil Owen, chemist and druggist (trading as J. H. Huke), said the price at which Lemco was sold in 1914 was fixed at 1s. 9d., but there was a minimum price of 1s. 2 $\frac{1}{2}$ d. There were certain traders who sold articles at less than cost price in order to get custom in some other articles. He submitted that a chemist was entitled to charge 33 $\frac{1}{3}$ per cent. upon the selling price of the article. Mr. Owen bought Lemco at 13s. 4d. per dozen, and how people could sell it at 1s. 2 $\frac{1}{2}$ d. and receive a reasonable profit he could not imagine. The chairman said that the Committee were satisfied that the profit was in view of all circumstances unreasonable. They had considered what the price should be, and had fixed it at 1s. 6d.; therefore Mr. Owen must refund 2d. to the complainant.

DOVER.—On October 27, a complaint was made to the Profiteering Committee that 6 $\frac{1}{2}$ d. had been charged for 1 lb. of hyposulphite of soda, the pre-war price being 1 $\frac{1}{2}$ d. The Committee decided that the complaint was too late

for consideration, not having been presented within four days.

EASTBOURNE.—At the sitting of the Profiteering Committee on October 30, a complaint of selling a packet of Neaves' Food at 1s. 6d. was investigated. The complainant stated that his wife bought a similar packet from the same establishment (the International Tea Stores) three weeks before at 1s. 0 $\frac{1}{2}$ d. It was stated for the respondents that on September 1 they had had to enter into an agreement with Messrs. Neaves not to sell the food under the fixed price. It was in consequence of this change that they increased the price to the complainant. They were never before under an agreement. On the wholesale they would make about 10 per cent. and on the retail 20 per cent., which would only leave them 9 per cent. net retail profit. The Chairman said the Committee considered the price an unreasonable one, but not against the defendants, and had decided to report the case to the Board of Trade.

EDINBURGH.—At the sitting of the Profiteering Committee on November 2, a case of an alleged overcharge for shaving-soap was mentioned. It was stated by the clerk that neither complainant nor respondent could appear. The complainant was an actor, and had had to travel south, while the respondent had also written to say he could not appear, as he had to go to London. In his letter, respondent also stated that the wholesaler prohibited the sale of the shaving-stick under the price-charged, whereupon a member remarked that if they upheld that contention there would be practically no use for the Tribunal sitting at all. "I don't think we should allow ourselves to be influenced by any rules or regulations that manufacturers lay down," commented another member.

FELIXSTOWE.—At the sitting of the Profiteering Committee on October 31, Mr. H. F. Douthwaite, Ph.C., Hamilton Road (a member of the Committee), was called upon to answer a complaint laid by a resident, who stated that he had purchased $\frac{1}{2}$ oz. of liquorice pellets, for which he had been charged 4d. For the last twelve months he had purchased this quantity at 3d. Mr. Douthwaite produced a sample, and said that the article, which was selling at 2d. per oz. in pre-war days, was now 8d. per oz. anywhere. In pre-war days these tablets cost 2s. 6d. per lb., and universally sold at 4d. per oz., but then he never stocked them loose. He had a profit before the war of 113 per cent. These tablets were now listed at 6s. 6d. to 7s. 6d. per lb. Taking 6s. 6d., and retailing at 8d., which he admitted doing in this case, the rate of profit was 64 per cent. That was gross profit on lozenges alone. He always used envelopes, which put a little over 8d. on the cost of the pound. 46 $\frac{2}{3}$ per cent. was his profit, allowing for bags. Establishment charges would be not less than 15 per cent. Published lists had given the price at 9d. per oz. From the Ipswich and Suffolk Chemists' Association he had had a letter saying they were sorry he had been "singled out for persecution," and that, he ought really to be "charged by the Association for not charging enough." He had sold at 6d. per oz. to within the last six weeks. Placing his last $\frac{1}{2}$ lb. in the stock bottle, he looked at the list, and felt he was justified in charging 8d. So he sold 3 $\frac{1}{2}$ lb. at 6d. and less than $\frac{1}{2}$ oz. at 8d., his average profits being 70 per cent. If he was not to take a little advantage from the fact that he bought early and well, what was to become of business? For ten months he had given customers the advantage, for they had been buying 2d. cheaper than if he had bought from hand to mouth. As to the question of reasonable profit, he denied that any person outside the trade could deal with it, pointing out that on some commodities they obtained practically nothing—as in patent medicines. He gave particulars. The complainant said that he thought that to make 114 per cent. in business was a scandal. Later he had purchased at another shop, and paid 6d. The Chairman said the Committee were of the opinion that the price charged was not an unreasonable one, and dismissed the case.

KINGSTON-ON-THAMES.—At the sitting of the Profiteering Committee on October 30, Parke's Drug Stores, Ltd., Market Place, were the respondents with reference to the

sale of a packet of "7 o'clock" razor blades at 2s. 3d. The packet in question was marked "2s." Mr. A. Higgs, J.P., treasurer of the Thames Valley Pharmacists' Association, appeared for the defence. An invoice was produced, showing the goods charged to the branch at the increased price, but the Committee required the original invoice of the goods when they were received at Messrs. Parke's head depot. As this was not forthcoming, the Committee adjourned the case for its production.—At the same sitting a complaint concerning a charge of 3s. for six syphons of soda water was dismissed.—At the conclusion of the previous sitting, after a case against a pharmacist had been dismissed (*C. & D.*, November 1, p. 55), a member remarked that the Committee had no power to mulct a complainant in costs. The Chairman expressed the opinion that power should have been given in the Act to award costs on either side, and thanked Mr. Higgs (who had successfully defended) for the assistance he had rendered.

ST. PANCRAS.—At the sitting of the Profiteering Committee on November 4, Parke's Drug Stores, Ltd., were the respondents in a charge of offering a bottle of phosphorus-and-quinine tablets for 10½d. Mr. Herbert Skinner, Ph.C., appeared on behalf of the manager of the local branch. The complainant alleged that these were being sold by other shops at 7½d. It was stated for Parke's Drug Stores, Ltd., that they cost 5s. 6d. per doz. The price mentioned was quoted by a girl assistant, and a temporary manager, who overheard the conversation, said he thought the price was 8½d., and requested the customer to call again. The complainant denied this. No sale was effected. The Committee considered a reasonable price was 7½d., and directed that a prosecution should take place.—At the same sitting, Mr. Grant, proprietor of Grant's Drug Stores, Chalton Street, N.W., was the respondent in a case of selling 1 oz. of pastilles for 8d. Mr. Grant stated that he was not a qualified chemist, but owned three shops. He bought the pastilles at 3s. per lb. in 4-lb. tins. He called his manager, who said that the complainant asked the price, and was told 6d. per oz. She then asked if there was any reduction for quantity, and eventually purchased 1½ oz., for which she paid 3d. The Committee decided that 4d. per oz. was a reasonable price, and, taking the view that the complainant had only been served with 1 oz., directed Mr. Grant to return 4d., and ordered a prosecution.—Boutalls, Ltd., were the respondents at the same sitting in a complaint of charging: 2 oz. Scott's dressing, 1s. 7d.; 1 oz. cream of tartar, 6d.; 4 oz. borax, 6d. The complainant stated that at a competitive shop she obtained the same for 9d., 4½d., and 2d. respectively. The Committee decided that there had been an overcharge of 9d., 1d., and 3d. respectively, and ordered the respondents to return 1s. 1d. They also directed that a prosecution should be entered.—Prosecution and refund were similarly ordered in a case in which W. S. Chapman, Ltd., grocers, had charged 5d. for 1 oz. of cloves, the excess being fixed at 2d.

STAFFORD.—The first case in the borough came before the Profiteering Committee on November 4, when a complainant alleged that Mr. J. F. Wood, chemist and druggist, Marston Road, had charged him 4d. for 1 oz. of pepper, which price he considered excessive. It was stated that 2 oz. could be obtained from a grocer for 4½d. Mr. Warner, who appeared for Mr. Wood, produced an invoice showing that the price as paid by his client was 5s. per lb., which was something like 3½d. per oz. The Committee decided that the charge was reasonable, and dismissed the case, but thanked the complainant for bringing it forward.

WESTMINSTER.—In dismissing, on October 31, the complaint of an applicant who stated that he had been charged 24s. 6d. for 28 lb. of soap, the Chairman of the Profiteering Committee added: "We propose to draw the attention of the Board of Trade to the increased wholesale prices, which seem to be unjustifiable, particularly when it is notorious that facilities for manufacturing the raw materials from which soap is made were greatly increased by factories which made the same materials, being erected for war purposes."

PHARMACISTS ON PROFITEERING COMMITTEES.

MR. WALTER DEACON, chemist and druggist, Bridgewater, has been appointed a member of the local Profiteering Committee.

MR. J. A. DALE, chemist and druggist, High Street, Stoke-on-Trent, has been appointed a member of the Stoke Profiteering Committee.

PROVOST LAIDLAW, chemist and druggist, Lockerbie, has been elected Chairman of the Profiteering Committee appointed for the burgh.

PROVOST MATHIESON, chemist and druggist, Innerleithan, has been appointed a member of the Profiteering Committee for the county of Peebles.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

ANGLO-AMERICAN SULPHUR CO., LTD.—Capital 150,000/. Objects: To carry on the business of miners of and workers and dealers in sulphur, lead, zinc, and other minerals, etc. R.O., 54 New Broad Street, London, E.C.

F. ASH & SON, LTD. (P.C.)—Capital 3,000/. Objects: To acquire the business of an artificial-limb manufacturer and maker of surgical instruments and appliances carried on by Faithful Ash at 7 Edmund Street, Birmingham. R.O., 7 Edmund Street, Birmingham.

FOAMITE FIREFOAM, LTD. (P.C.)—Capital 20,000/. Objects: To acquire from the Foamite Firefoam Co., of New York, the rights and patents in the "Foamite Firefoam" fire extinguishing system and portable fire extinguishing apparatus, etc. Solicitor: H. C. King, 17 Serjeants' Inn, Fleet Street, London, E.C.

REES WALLERS, LTD. (P.C.)—Capital 3,000/. Objects: To carry on the business of chemists, druggists, dry-salters, opticians, oil and colour-men, importers and manufacturers of and dealers in pharmaceutical, medicinal, chemical, industrial, and other preparations, etc. Solicitors: Phoenix & Levinson, Gresham House, Kingsway, Cardiff.

INTERNATIONAL LABORATORIES, LTD. (P.C.)—Capital 10,000/. Objects: To take over the business of International Laboratories, Ltd., and to carry on the business of manufacturers, importers, exporters, buyers and sellers of proprietary and patent goods and foods, and all kinds of medical, pharmaceutical, and chemical articles, wholesale and retail chemists and druggists, exploiters of patents and patent articles, etc. Solicitors: Jackson, Elwell & Curran, 65 Coleman Street, London, E.C.

EVANS SONS LESCHER & WEBB, LTD.—The first batch of allotment letters and letters of report in connection with the new issue of ordinary shares has now been posted. It has not been possible to allot applicants the full number of shares applied for, as the shares were subscribed for over three and a-half times previous to the closing of the list.

EXCESS PROFITS DUTY.—The Board of Referees appointed under the Finance Act (No. 2), 1915, to determine the statutory percentages of profits allowed in certain businesses, has made an Order that in the case of the business of cultivating cinchona in the East Indies, including the Indian Empire, the statutory percentages shall be as follows:

1. In the case of any trade or business carried on or owned by a company or other body corporate to 10 per cent.;

2. In the case of any other trade or business:

(a) for accounting periods ending prior to January 1, 1917, to 10 per cent., plus 1 per cent.;

(b) for accounting periods ending after December 31, 1916, to 10 per cent., plus 2 per cent.; except that for the purposes of Sub-Section (2) of Section 41 of the principal Act the statutory percentage shall be 10 per cent., plus 1 per cent.; with the addition, in cases 1 and 2 (b) for accounting periods ending after December 31, 1916, of 3 per cent. for the purposes of Sub-Section (1) of Section 41 of, and paragraph 4 of Part II. of the Fourth Schedule to, the Finance (No. 2) Act, 1915.

The Brewers' Exhibition.

AFTER AN INTERVAL of six years, the thirty-sixth Brewers' Exhibition and Market was opened at the Agricultural Hall, Islington, London, on November 1, and continued open until November 7. The large display of machinery, and metal in the form of vats and other implements, to say nothing of the relatively insignificant but important essences and "primings," is a reminder of the dependence of the brewer upon the engineer and the chemist. For many spectators a most welcome exhibit was that of THE EAGLE RANGE AND GRATE CO., whose two fine open fires were advertising effectively the wares of the firm by dispensing generous glows of heat upon the none-too-warm visitors. The largest section of exhibits was that comprising

BOTTLE-WASHING, FILLING, AND OTHER MACHINES, which were in great variety. The large display of D. G. BINNINGTON included the Kingston bottle-washing machine, syphon-filing, and corking machines. J. W. FLOWER & Co. have an interesting show of portable labour-saving machinery which completes the circuit from washing the bottle to fixing the label. The All-British labelling machine is capable of labelling 180 dozen bottles per hour. The "Eclipse" bottling and corking machine has a similar output. In the "Eclipse" soaking machine (capacity 140 dozen per hour) the inside of the bottles is automatically cleansed under high pressure. Another useful exhibit at this stand is the "Eclipse" hydraulic crane. THE FARRINGTON WORKS and H. PONTIFEX & SONS, LTD., include in their exhibit specimens of the Pontifex patent rotary counter-pressure bottle-filling machines, 12- and 18-head respectively. C. W. WALLACE BRUCE & Co., LTD., had a working specimen of a bottling machine capable of turning out 1,000 dozen bottles a day. This machine, which is valveless, is said to eliminate waste. In THOMAS HILL's exhibit, machines for washing screw bottles and syphons, as well as the ordinary variety, are busily engaged demonstrating their power. FARROW & JACKSON, LTD., have a large display, including a combined soaking, rinsing, and brushing machine, capable of preparing 1,000 bottles per hour. The "Farjak" asbestos and other filters are also on view. R. POWLEY & SONS, LTD., show for the first time the "Simplex" labelling machine (output 250 dozen per hour) and a new type of syringing machine. SMART & CLARK, LTD., are showing a variety of "Gumex" labelling machines for all shapes and sizes of bottles. These are easy to work, effective, and have been adopted in many trades. THE FULHAM CROWN CORK WORKS and THE WALLIS CROWN CORK & SYPHON CO., LTD., have machinery demonstrating the method of "Crown" corking bottles of mineral waters, etc.

BEVERAGES, ESSENCES, ETC.

BONOVIN, LTD., specialise in "Ex-ox," a beef beverage, and "Bonovin," a tonic wine. A medicated product of this latter article, with quinine, is also issued. IDRIS & Co., LTD., have an attractive display of their wines, cordials, and minerals, including familiar items like Idris table-waters, limejuice cordial, lemon squash, fruit syrups, etc. THE LONDON ESSENCE CO., LTD., lend a shade of colour to the surroundings with large, square bottles of coloured liquids representing oils of bergamot, lemon, orange, ginger-ale, and other essences. A show of perfumery is also in evidence. OXO, LTD., have an attractive tasting stall for Oxo, where the various preparations of the company can be seen. There is a fine display of Wincarnis at the stand of COLEMAN & Co., LTD. The only difficulty now in meeting orders is that of transport. Orders in advance are therefore the orders of the day. Other exhibitors in this class are THE SPRINGWELL BRITISH TABLE WATER CO., LTD., JOHN SYMONS & Co., LTD., and WHEATLEY & BAIES, LTD.

SCIENTIFIC INSTRUMENTS, ETC.

Scientific instruments in profusion are to be found at the stand of JOSEPH LONG, among which we noticed thermometers, hydrometers, barometers, scientific glass-ware,

etc. DRING & FACE have a large show on similar lines, and so also have NEGRETTI & ZAMBRA. THE FAPERTILL is one of the novelties on view. It is claimed that confusion between 1/- and 10/- notes is eliminated when this till is used. In addition the notes are rendered perfectly flat and are sterilised by an antiseptic contained at the foot of the structure.

MISCELLANEOUS.

BOOTS PURE DRUG CO. LTD., illustrate the steps in the manufacture of saccharin, with specimens of halazone and chloramine-T to show the end reactions. THE BRITISH SACCHARIN MANUFACTURING CO., LTD., exhibit saccharin "550" strength. L. HELLER & SONS provide all kinds of stencils and rubber stamps. A useful combination shown at this stand is a bottle of marking-ink, a brush, and stencil complete. W. LOOMAN & Co. have a working exhibit showing how corks of all sizes are cut by hand. A balloon suspended from the ceiling advertises "Milton," and at the stand there is a comprehensive display of the substance itself in containers of different sizes. Among the other exhibitors we noted THE SACCHARIN CORPORATION, LTD., in the centre of the Great Hall, E. J. HAY & Co., LTD., and LICHTENSTEIN & Co., LTD. (makers of caramel), EDME, LTD. (malts), THE ALUMINIUM PLANT AND VESSEL CO., LTD., D. HARPER & Co., LTD. (novelties and leather goods), THE FOUR OAKS SPRAYING MACHINE CO. (machines for limewashing walls, etc.), BARETT & ELLERS, LTD. (carbon dioxide gas), ROBINSON BROS., LTD., McDUGALL BROS., LTD. (agri-horticultural preparations), GEO. ADLAM & SONS, LTD., THE O. & J. MACHINE CO., TALBOT & HENRY ("Clarocit"), etc.

Business Changes.

GEORGE SPYER & Co., drug and chemical merchants, have removed from 14 Bury Street to 33 Canonile Street, London, E.C. 3.

MR. EDWARD RAPER, chemist and druggist, has disposed of his interest in Edward Raper, Ltd., 57 Western Road, Brighton, to the Lion Drug Stores, Ltd.

MR. E. HENCHLEY, chemist and druggist, has purchased the business of Mr. W. E. H. Richardson, chemist and druggist, Yarmouth, Isle of Wight.

MR. WILLIAM JONES, Ph.C., 8 Shepherd's Bush Green, London, W. 12, has disposed of his prescription-books, recipes, and goodwill to Mr. G. W. Gray, chemist and druggist, 194 Holland Park Avenue, W. 11, and has retired from business.

MR. W. E. PILGRIM, chemist and druggist, Falmouth, who has retired from pharmacy, has disposed of his Falmouth business to Mr. S. H. Oliver, Ph.C., of Hols-worthy, and his Redruth business to Mr. D. P. Rae, chemist and druggist, Godalming. Mr. Pilgrim retains the optical business at both pharmacies.

Organising the Drug-trade.

Drug-Union Meetings.

AT A MEETING of pharmacists, dispensers, and apprentices, held on November 3, in the Royal Hotel, Cheltenham, it was decided to form a branch of the Amalgamated Society of Pharmacists, Drug and Chemical Workers, with Mr. A. Ball, 7 Leighton Road, Cheltenham, as secretary.

A SUCCESSFUL MEETING was held at 51 Old Steine, Brighton, on October 31. Eighteen new members joined, and a very enjoyable evening was spent. The President, Mr. F. W. Knowles, gave an interesting paper on *Railway Nationalisation*. Social evenings are being looked forward to during the coming winter. The few chemists' assistants (wholesale or retail) who have not joined may do so by applying to the Secretary, Mr. B. Wimbush, 117 Beaconsfield Villas, who will also be pleased to receive contributions from those unable to attend meetings.

Festivities.

North London Pharmacists' Reunion.

The annual reunion and conversazione, which had been postponed for a month on account of the railway strike, was held on October 30 at the Progressive Pharmacy Club, the President, Mr. C. W. Andrew, and Mrs. Andrew receiving members and guests. There were many greetings and interchanges of experiences since the end of the last session, and after refreshments had been served the members and guests adjourned to the drawing-room, where a concert, arranged by Mr. Bowie, took place. The artists were the Misses Watson, George, and Bowie, and Messrs. Mills, Bowie, Fountain, and Keith. A few happy remarks were made by the President, and the singing of "Auld Lang Syne" brought a successful evening to a close.

Lancaster Pharmacists' Annual Dinner.

THE eighth annual dinner of the Lancaster Pharmacists' Association was held in the King's Arms Hotel, Lancaster, on October 29. Mr. H. Troughton (President) was supported by a company of about fifty, among whom were included the Mayor of Lancaster (Mr. W. Briggs, chemist and druggist), Mr. W. P. Evans (Evans Sons Lescher & Webb Ltd.), Mr. A. Peake (Earlestown, Lancashire Pharmaceutical Committee), Mr. Scholes (Lancashire Pharmacists' Association), Mr. Boggis (Ayrton, Saunders & Co., Ltd., Liverpool), Mr. Mills (Evans Sons Lescher & Webb Ltd.); Drs. J. Aitken, T. Burrows, A. N. Benson, and Miller; Mr. W. Derbyshire (J. F. Wilkinson, Ltd., Pendleton), and Mr. N. Blacow, Preston. An excellent dinner having been disposed of, after the loyal toast Mr. Peake proposed "The Medical Profession," and coupled with the toast the name of Dr. Aitken. Dr. Aitken (medical officer of the Lancaster Union), in reply, thanked the Lancaster pharmacists for their compliment in inviting the medical profession to the dinner. The doctors and the dispensing chemists, he said, had been, at one time, more or less rivals. A little rivalry was healthy, but the rivalry between the doctors and the dispensing chemists was not always so. Doctors were a bit suspicious and envious of the good fortunes the chemists made over the counter. (Laughter.) He was glad to say that, at any rate in Lancaster, there was not a bit of rivalry. Speaking of the National Insurance Act, he said that four or five years ago there was a notorious system instituted which robbed the doctor of his independence. He referred to the "panel system." The Lancaster chemists gave it a very fair trial, and then resigned. He was quite convinced that no chemist in the town was a whit the poorer through having left the panel, and they had regained their independence. On the other hand, the doctors held meetings, which ended in their being placed in the humiliating position of accepting the panel system. They were now threatened with National State Service. This was a calamity for the country. He spoke also of the part played by the medical profession during the war, and added that now an ungrateful Government wished to reward them, not with honours, but with the abominable panel. (Laughter.) Mr. R. S. Angus proposed "The Mayor of Lancaster," referring to his splendid record as Mayor during six critical years, and to the presentation made to him that day by the Corporation (*C. & D.*, November 1, p. 58). They knew him as a pharmacist, so that in honouring him they were honouring their own profession. The speaker announced also that the Mayor was to be made an honorary freeman of the borough. They congratulated the Mayor and Mrs. Briggs on the return of their son, Captain Briggs. The Mayor, in acknowledgment, said that any success achieved in the War Charities and Comforts Fund was due to the loyal support of the burgesses and the councillors who rallied round. They raised 10,000*l.* for the prisoners of War Fund, and each prisoner in the K.O. Royal Lancaster Regiment had three parcels despatched to him each fortnight. The Mayor then invited chemists

to take their share in municipal work. Councillor R. Knowles (Morecambe) proposed "The Visitors," and referred to a previous occasion when the late Sir E. Evans was with them. Mr. W. P. Evans thanked Mr. Knowles for his kindly reference to his brother. He had had the honour, for two or three years, to be President of the Liverpool Chemists' Association, and knew, he said, the value of such functions. He hoped they would be able to accept his hospitality at the British Pharmaceutical Conference in July next. The Rev. R. O. Bibb-borrow, in a humorous response, said he did not know how to distinguish between an apothecary, druggist, chemist, and pharmacist, but to him a chemist was a man who had achieved the science of dilution, and knew to a nicety the art of letting things down. (Laughter.) Mr. W. P. Evans also toasted the President in felicitous terms, coupling his name with the toast, "The Lancaster Pharmacists' Association." He was glad to hear they were such a happy family. He believed they had had prosperous times in business during the last few years, judging from the numbers of retailers who could afford to run motor-cars. (Laughter.) The President replied, and regretted the absence of Mr. Vince, ex-President, who had been ill, and had sent a telegram wishing them a happy evening. They hoped he might soon be restored to health. In conclusion, he said the success of the Association depended on Mr. Shattock, the indefatigable Secretary, whose health he toasted. Mr. J. B. Shattock said that, while Lancaster was a small Association compared with Liverpool, yet they embraced every pharmacist between Garstang and Grange-over-Sands. The Association began in 1877, and had a short career. It was revived twelve years ago, and had done well since. Mr. Scholes proposed "The Dinner Committee," to which Mr. R. T. Simpson briefly replied. Mr. F. N. Whitehead was the toastmaster. During the evening an excellent programme was contributed by Messrs. F. N. Whitehead, J. Aitken, E. Ellis, J. P. Baines, H. L. Baron, Postlethwaite, and Clayton (accompanist).

Personalities.

MR. JOHN J. WITTEN, 51 Hendon Road, Sunderland, has been appointed permanent secretary of the Thornhill Masonic Lodge, No. 3,216, of which he is a Past-Master.

MR. BENSON HARRIES, pharmacist, Newport, Mon., was present in the unfamiliar capacity of a sailors' representative at the recent opening of a sailors' home at Carnarvon.

MR. W. H. SCOTT, who has recently relinquished his commission in the Army, has joined the staff of Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, and is representing their interests in Gloucestershire, Wiltshire, Somerset, Dorset, Devon, and Cornwall.

THE following pharmacists were returned for their respective municipal councils at the elections on November 1:

Mr. J. A. Dale, High Street, Stoke-on-Trent (majority, 240).

Mr. Walter Deacon, High Street, Bridgwater.

Mr. E. A. A. Fry (Boots, Ltd.), Leicester (majority, 117).

Miss Alice Gillfiatt, Ph.C., Fulham, London, S.W.. President of the National Association of Women Pharmacists (London group) and member of the executive of the Amalgamated Society of Pharmacists, Drug and Chemical Workers.

Mr. Wilfrid Lean, Ph.C., 286 Blackpool Street, Burton-on-Trent (majority, 55).

Mr. Jeffrey Poole, 13 Great Hampton Street, Birmingham (majority, 429).

Mr. A. E. Richmond, 3 St. Peter's Road, Great Yarmouth (first contest).

Mr. J. S. Snell, 8 Burnley Road, Accrington.

Mr. George Whitfield, Ph.C. (Whitfield & Son), 113 Westborough, Scarborough (majority, 257—the largest on record for the ward).

Mr. J. J. E. Pugh, Buxton (majority, 188).

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

RATS AND MICE (DESTRUCTION) BILL.

This Bill was read a third time on October 31. One member pointed out that the estimate of 40 million pounds as the damage done annually by rats is probably fictitious.

DOSES OF VACCINE.

The Parliamentary Secretary to the Board of Agriculture informed Sir Beville Stanier on November 4 that separate figures for 1918 are not available, but in the two years 1917-18 33,866 doses of vaccine were issued for the inoculation of heifers and cows against epizootic abortion.

COAL CONTROLLER.

During a debate on the appointment of a Coal Controller it was stated that Mr. W. J. Uglov Woolcock had been suggested for the position. Mr. Brace, who elicited the information, asked what Mr. Woolcock's qualifications were, as he could not imagine "the Secretary of the Pharmaceutical Society and Registrar of the Pharmacy Acts" filling such a position.

EDUCATION ACT, 1918

The President of the Board of Education stated, on October 27, that local education authorities have been informed that the appointed day on which Sub-section (1) of Section 8 of the Education Act, 1918, should come into operation will probably be "the beginning of the term next following the date of the official termination of the war as fixed by Order in Council."

INSECTICIDE LEGISLATION.

It is stated by our Parliamentary correspondent that it is the intention of the Board of Agriculture at an early date to introduce a Bill designed to require a standard quality in the various insecticides, fruit sprays, weed-killers, and other specifics used by horticulturists and agriculturists. In many instances it is stated that more harm than good has been done by the ingredients used, and it is hoped to be able to impose approved standards for these preparations.

DENTISTS ACT INQUIRY.

On November 5 Mr. Godfrey Locker-Lampson asked the Prime Minister whether it is intended to introduce a Bill to give effect to the report of the Committee appointed to inquire into the extent and gravity of the evils of dental practice by persons not qualified under the Dentists Act.

Sir J. Tudor Walters, who replied, said: Yes, Sir; but the issues involved are complex and numerous, and must be considered in relation to other necessary elements in the development of health services for the community, so that I cannot yet make any statement as to the precise lines on which such legislation will be proposed.

THE PRICE OF QUININE.

Mr. Spoor, on October 30, asked the President of the Board of Trade whether he is aware that the whole of the quinine (cinchona) production of the world, apart from the small quantity produced by the Government of India for local use, has lately been made the subject of a monopoly of the Dutch and British producers; whether he is aware that this monopoly is fortified, so far as this country is concerned, by an equally firm monopoly of the wholesale chemists of the United Kingdom; whether he realises that the consumer is now being charged 3s. 6d. per oz., as compared with 1s., or even less, pre-war; and what steps he proposes to take to enable this commodity to be obtained without profiteering.

Mr. Bridgeman replied: The answer to the first part of the question is in the affirmative. The whole question of the prices and supply of quinine sulphate to this country is being investigated under Section 3 of the Profiteering Act, and I hope that the findings of the investigators will be ready for publication before the end of the week.

SUGAR FOR MANUFACTURING PURPOSES.

On November 4, in the House of Commons, Captain Reginald Terrell asked the Food Controller whether he is aware that granulated sugar for manufacturing purposes has risen to practically 11½d. a pound, but that the price at which it is sold to the trade by the Royal Commission on the Sugar Supply is about 6½d. a pound; can he state why there is such a large margin between the controlled price and the present market price; and can he hold out hopes of increasing the allotment to manufacturers at the controlled price.

Mr. Roberts replied: The answer to the first part of the question is in the affirmative. As the member will be aware, the price of sugar has been raised by 1d. per lb. as from yesterday. But a certain difference between the controlled price and the market price will, I anticipate, be maintained, so long as the comparatively small balance which enables the Government to do so is available, in order to obviate the hardship which would be caused by a sudden rise corresponding to that of the market price. As regards the last part of the question, I am afraid that I can hold out no hope of increasing the allotments to manufacturers at the controlled prices. On the contrary, it will be necessary to restrict such supplies for some time to come.

EXPORT OF MORPHIA.

Sir James Agg-Gardner, on November 4, asked the Foreign Secretary whether the Government accept licences issued by the Japanese authorities at Dairen and the Kwangtung leased territory as sanctioning the export of morphia thence from Great Britain; whether such morphia is restricted in its use to medical purposes only; what amount of morphia manufactured in Great Britain has been exported to Japan under licence during the past two years; and whether, in determining the amount of such exportation for medical purposes, the amount of morphia transmitted by post is taken into consideration.

Mr. Bridgeman replied: Under an arrangement made in 1917 a licence for the exportation of morphia to Japan or to the Kwangtung leased territory, whether by parcel post or otherwise, is granted only on the production of a certificate from the competent Japanese authorities to the effect that the parcel in question will be used for medical purposes only. No licences for exportation to the Kwangtung leased territory have been issued under this arrangement. The total quantity of morphia licensed for export to Japan in 1918 was 36,480 ounces, and during the first eight months of the present year 5,026 ounces. It is not possible to state how much of the quantity licensed was actually exported during the period in question, as no figures are available with regard to the quantity of morphia exported by post.

Births.

FOSTER.—At 44 Victoria Road, Barrow-in-Furness, on October 15, the wife of Vernon Foster, chemist and druggist, of a daughter.

WATSON-WILL.—At Singapore, on October 20, the wife of Claude Stanley Watson-Will, chemist and druggist, son of the late William Watson-Will, Ph.C., of a son.

Marriages.

GREENING—OWEN.—At St. Mary's, Edgehill, Liverpool, on October 21, Montague Charles Greening, "Sandheys," Hargreaves Road, Sefton Park (representative of Francis Newbery & Sons, Ltd., London, E.C. 1), to Marjorie, youngest daughter of Mr. Thomas Owen, 249 Edge Lane.

Golden Wedding.

LAING—MARTIN.—At St. John's Church, Lewisham High Road, London, S.E., on October 28, 1869, John Stewart Laing, chemist and druggist, Ashby Place, Brockley Road, S.E., to Elisabeth Jane (Jennie) Martin, Chichester.

Deaths.

AGAR.—At 177 Newland Avenue, Hull, on October 28, Mr. Thomas William Agar, chemist and druggist, aged fifty-six (see p. 46). Mr. Agar had been in business at Londesborough Street, Hull, for several years; he removed to Newland Avenue in 1917. The funeral took place on November 3.

BOWDEN.—At Keynsham, on October 15, Mr. Thomas Lemon Bowden, chemist and druggist, aged seventy-four.

CHAMBERS.—At 11 Powis Villas, Brighton, on November 2, after a long illness, Mr. Herbert Chambers, chemist and druggist and optician, 108 Western Road, aged sixty-four. Mr. Chambers commenced business in Brighton in 1885, and built up an extensive connection. His success was due in great measure, without doubt, to his genial and persuasive optimism. It was his delight to extend a generous courtesy to all with whom he came into contact, and his many friends will miss his unfailing welcome and his ready jests. The stress and overwork of the war tried his health severely, and his peaceful end was preceded by a wearying period of waning strength. He is survived by a widow and a daughter; the latter is the wife of Mr. R. Bruce Leigh, F.S.M.C., chemist and druggist, by whom the business is being continued.

CHAPPELL.—In Paris, on October 26, Mr. William Chappell, chemist and druggist, aged thirty-one. Mr. Chappell served his apprenticeship with Mr. William Bratley, chemist and druggist, Pontecraft, and subsequently qualified. He joined the Army in 1915, and saw considerable service. He was about to winter in Switzerland for the benefit of his health.

ISAAC.—At Milbrook, Abbey Road, Neath, on October 19, Mr. James Griffith Isaac, chemist and druggist, aged sixty-one.

LOFTHOUSE.—At Dock Street, Fleetwood, on October 31, Mr. T. J. C. Lofthouse (James Lofthouse & Co., Ltd., chemists, 94 Dock Street and 101 Lord Street), aged fifty-three. Mr. Lofthouse was the eldest son of the late Mr. James Lofthouse, chemist and druggist, on whose death in 1906 the business was converted into a limited company. He was an active member of the Fleetwood Chamber of Trade and a Vice-President of the local Conservative Club. He also bred fox-terriers, and won many prizes at dog shows. The strain of conducting business during the war brought on a serious breakdown, from which he never recovered. He leaves a widow, two sons, and a daughter.

PICKEN.—At Newport, Shropshire, on October 26, Mr. Thomas William Picken, chemist and druggist, aged eighty-three. After apprenticeship to a local chemist, and further experience as an assistant in London and in Yorkshire, Mr. Picken opened in business in Newport in 1860. He took a genuine interest in the public affairs of the district, and was much respected. He is survived by a widow, two sons, and two daughters. Since his retirement (in 1900) the business has been carried on by a son, Mr. C. R. Picken, chemist and druggist.

POTTIE.—At 18 Hillside Crescent, Edinburgh, on October 29, Mr. John Pottie, aged fifty-six. Mr. Pottie entered the service of the late Mr. Inman over thirty years ago, and was for a long time manager at 46 Leith Street, Edinburgh. A keen and active business man, he played a considerable part in the development of Inman's Stores, Ltd., and subsequently joined the Edinburgh staff of Boots, Ltd. He had been in failing health for some time past. The funeral took place on November 1.

RHODES.—At Wardley Place, Thornton, Preston, recently, Mrs. Amelia Rhodes, chemist and druggist and dentist, aged eighty-two.

WHEWELL.—At Blackburn, on October 28, Mr. George Whewell, F.I.C., aged seventy-two. Mr. Whewell was well known in Blackburn as an analyst, a town councillor, and a Freemason.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Devon.—A meeting of the Pharmaceutical Committee was held on October 29, Mr. March in the chair. The draft of the National Insurance Medical Benefits Regulations was discussed, and it was decided to make no comment.

Essex.—A meeting of the Pharmaceutical Committee was held at River Plate House, Finsbury Circus, London, E.C., recently, Mr. England in the chair. Mr. Rundle, Walthamstow, resigned from the Committee in consequence of having disposed of his business. This was accepted with regret. The question of shop-doors being left undone and lights burning after the closing hour at night received attention, and it was decided to write to the Pharmaceutical Society pointing out the very undesirable state of things which at present exists in this direction.

Sheffield.—A meeting of the Pharmaceutical Committee was held on October 30, Mr. J. A. Johnson in the chair. The action of the secretary in forwarding a letter of sympathy to Mrs. Chadwick and family on the death of the late Chairman was confirmed. Mr. John Thompson Appleton was appointed Chairman of the Committee, and took the chair, thanking the Committee for the honour they had done him. Mr. E. H. Swift, 68 Holme Lane, was co-opted a member of the Committee, and Mr. Appleton was appointed to fill the vacancies caused by the death of Mr. Chadwick on statutory sub-committees and the Emergency Committee. The new draft regulations were considered at some length, and it was decided to recommend the Panel chemists to accept the regulations, subject to the prices for dispensing being obtained as suggested by the conference held in London. The May checking report was regarded as satisfactory.—At the meeting of the Insurance Committee a report was given showing, according to the Ministry of Health, that the medical list for 1918 was inflated to the extent of 17.62 per cent.; the payment to doctors is 7s. 0.66d. per insured person on their list, without any allocation of the persons who have not chosen a doctor. This includes the transfer from the Drug Fund of 3,763l., being the whole of the "floating sixpence"; but for this the practitioners would have been discounted 6.36 per cent. The Drug Fund carries forward a balance of 442l. to the year 1919. The patients of Dr. G. B. Messenger have been transferred to Dr. A. F. Waterhouse. The monthly payment to chemists was 874l. 3s. 10d. The dispensing by doctors for 1918 amounted to 81l. 18s. 10d. The payment to doctors who only did emergency dispensing, and for the supply of dressings at the rate of 2s. per 100 patients, amounted during 1918 to 158l. 5s. 9d.

Stafford.—The first committee meeting of the Pharmaceutical Committee for Staffordshire was held on October 30. Officers were elected as follows: *Chairman*, Mr. Garland (Cannock). *Vice-Chairman*, Mr. Price (Blackheath). *Secretary*, Mr. Fowke (Stafford). *Committee*, Messrs. Jacks, Weston Poole, Sleigh, Trotter, Whitehead, Jackson, Mellor, Cope, Peacock, and Eymer. It was reported that the pharmaceutical service for the county had worked efficiently throughout the past year. The Draft Regulations for 1920 were considered, and it was agreed that, owing to the necessity of curtailing the hours of assistants, and also to the greatly changed position as to hours of labour, reasonable hours of attendance for dispensing should not be later than 7.30 p.m. The latitude arranged for in the new regulations as to varying hours in different districts met with general approval, and the clause doing away with "Rep. mist." met with unanimous support.

GRANTS in aid have been awarded by the Salters' Institute of Industrial Chemistry to thirty young people employed in chemical factories in or near London, to assist them in improving their knowledge of chemistry.

Associations' Winter Session.

Blackburn.—A general meeting of the North-East Lancashire Chemists' Association was held on October 23, Mr. J. W. Aspinall presiding. Mr. Fred Law (Secretary) reported that he had sent a letter of condolence to the relatives of the late Mr. J. K. Gregson (*C. & D.*, October 4, p. 77), and the Association was represented at the funeral by Mr. J. W. Aspinall and Mr. C. Parkinson. Reports were given by Mr. Aspinall and Mr. C. Parkinson of a Conference held on October 22 at Liverpool to consider a new scheme for the reconstitution of the North-Western Federation of Chemists' Associations. Draft regulations relating to the medical benefit section of National Insurance were laid before the meeting for inspection of members. A proposal was considered for increasing members' contributions to meet higher charges now devolving upon the Association, and the new scale will be definitely settled at the annual meeting in January.

Cardiff.—A meeting of the Cardiff Pharmacists' Association was held on October 28, the President, Mr. A. S. Johnson, in the chair. A letter was read from the Secretary of the Proprietary Articles Trade Association announcing that the President (Mr. John Keall) would address the Association on February 24, 1920. The chief business of the meeting was the election of officers for the coming year, and the following gentlemen were unanimously elected: *President*, Mr. Owen Jenkins; *Vice-President*, Mr. D. Binns; *Treasurer*, Mr. A. S. Johnson; *Secretary*, Mr. C. J. Holloway; *Assistant Secretary*, Mr. George Edwards; *Commercial Secretary*, Mr. R. Robinson; *Committee*, Messrs. Poole, J. D. Jenkins, Willis, Hague, and Eason; *Auditors*, Messrs. Purvis and D. Thomas. Attention was called to the cutting down of the sugar ration for manufacturing purposes, the quantity at present allowed being less than at the most difficult period of the war. By reason of the fact that there are no substitutes authorised at present for preparations of the British Pharmacopœia, the position is most difficult. It was resolved that the Secretary be instructed to write to the local Food Controller and ask him to receive a deputation from the Association in order that the matter might have proper consideration.

Ealing.—A special meeting of the Ealing Pharmacists' Association was held on October 28, the President (Mr. S. McKeck) in the chair, to hear an address by Mr. John Humphrey on *Insurance Dispensing Terms*. Mr. Humphrey, who had a very good reception, then proceeded to deal with Health Insurance, past, present, and future. The new regulations having just come to hand, Mr. Humphrey had been able to run through them quickly, and pick out points which he thought would interest the chemist. He was of the opinion that chemists would get somewhat better terms in the future in the way of payment for skill and knowledge, but that more was going to be asked of them with regard to hours of service. They would have to display in their pharmacies a card showing the hours that shop was open for dispensing, and also append a notice showing where medicines could be obtained when the pharmacy was closed. This would entail a rota amongst chemists for after-hour service. Mr. Humphrey also dealt with many points of interest which he had noted in his capacity as Checking Supervisor at the pricing office, drawing special attention to a list of those things, such as Gangee tissue, jaconet, etc., which would not be paid for if ordered by the doctor and supplied by the chemist. Mr. Humphrey answered numerous questions on points of his address, and was heartily thanked for the information he had given.

Edinburgh.—Under the auspices of the Edinburgh Trade Association, a well-attended and representative meeting of Edinburgh pharmacists was held on October 23 to form a local branch of the Scottish Pharmaceutical Federation. Mr. Brown (President of the Edinburgh Association) was in the chair, and gave a brief review of the progress of the Federation, intimating that already 75 per cent. of Edinburgh pharmacists had joined. He

explained the policy the Federation would pursue in regard to trade interests, and how the local branch would act. After a number of questions it was unanimously resolved to form a branch, with the following officers: *President*, Mr. W. W. Brown; *Vice-President*, Mr. John Muir; *Secretary and Treasurer*, Mr. George Hall; *Committee*, Messrs. A. J. Clark, John T. Coats, G. G. Davidson, Jas. Finlay, K. McLennan, and J. Tainsh.

Essex.—A Committee meeting of the Essex County Pharmacists' Association was held at River Plate House, Finsbury Circus, London, E.C., recently, Mr. Rundle, who was in the chair, has agreed to remain in office until the annual meeting. The proposed Federation of Associations was discussed, but the consideration of the draft proposals was left over. The Committee expressed its opinion that in a group area each county should be represented by one member on a council which should meet as required. The Profiteering Act received attention, and it was agreed that a minimum price list for the county would be useful.

Exeter.—At a meeting of the Exeter Pharmaceutical Association, held on October 28, Mr. J. W. Lake in the chair, a discussion took place with regard to dispensing prices. The Chairman thought it was desirable to fix some standard, so that the great disparity in charges might be avoided, and it was ultimately resolved to adopt the minimum retail-price list, on the understanding that where the cost of a prescription made it necessary to exceed the minimum price, that the increased charge should be indicated by a private mark on the prescription. Mr. Reid, who was elected the Association's delegate to the County Association, was instructed to convey the purport of the resolution to the county meeting.—A meeting of the Devon County Association was held on October 29, under the chairmanship of Mr. P. F. Rowsell (President). In welcoming Mr. Turney as Vice-President, Mr. Rowsell congratulated the Association on having officers in Exeter, Plymouth, and Barnstaple. This rendered it more easy for the Association to supplement and co-ordinate the efforts of the district Associations. The President also referred to the school of pharmacy, lately opened at the Exeter University College, where about forty students are attending a full-time course. The President was then congratulated, as a Governor of the College, on the successful realisation of the scheme. There followed an animated discussion on the Profiteering Act. It was considered that complaints are not likely to bear full investigation. On the contrary, as appeared from a letter received from the Dublin Retail Drug Association, there are still certain proprietary articles on which insufficient profit is obtained; and, moreover, the rate of profit yielded by dispensing is often negligible. The subject of dispensing charges had by arrangement been recently discussed by the various local district Associations, each of which had sent delegates to the county meeting. The views of the district Associations were thus available, and a useful interchange of views took place. Finally, the delegates, with the President, were appointed as a sub-committee to formulate a working scheme applicable in the county, and to report at an early date.

Lewes.—A meeting of the East Sussex County Association of Pharmacists was held at Lewes on October 29, when a letter was read from Mr. E. H. Farr resigning from the position of chairman, so as to make way for younger members. The meeting received this intimation with regret, and passed a vote of thanks to Mr. Farr for past services. A desire was expressed to increase the activity of the Association, and it is hoped that all pharmacists in the county of East Sussex will join. The following officers were elected: *Chairman*, Mr. F. De Morgan (Wadhurst); *Secretary and Treasurer*, Mr. R. R. E. Perkins (Channel View, Queen's Park Terrace, Brighton). If any pharmacist in the area has not received a formal invitation to join the Association, he is asked to apply to the Secretary.

London (Co.).—The annual meeting of the London County Pharmaceutical Association was held on October 30, Mr. G. B. Barnard (President) in the chair. Sir William Glyn-Jones gave a short address on the *Scheme of Federation* suggested by the Local Associations Execu-

tive. He stated that the last Conference decided that local Associations should be grouped to form federations on a territorial basis, and that the L.A.E. was elected on a territorial basis, the country being divided into six areas, each containing a number of local Associations grouped together. It was thought that the grouping of Associations locally would produce a federation which could deal with purely local affairs and assist in the formation of District Industrial Councils. He stated that it had been suggested to divide certain large areas into two, and that it was for those areas to consider the advisability of doing so. The stronger Associations in a group could give assistance to the weaker ones. The President thought that the question of federation was one which must be left to the opinion of the Associations in each of the six areas throughout the country. The annual report was adopted, after which Mr. Pilkington Sargeant (late Chairman of the L.A.E.) gave an address on the *Dispensing Service for 1920*. He said the remuneration for Insurance dispensing had always been hopelessly inadequate, but the L.A.E. had endeavoured to obtain better fees and conditions during the war. In the discussion which followed, Mr. Atkins considered that doctors could not undertake dispensing, and complained that the extra service given in Battersea was quite unnecessary, the number of scripts presented being negligible. Mr. Scott was informed that in the ordinary course those who wished to resign should give notice by December 1. Mr. A. S. Thompson considered that extra payment should be made for extra service. Mr. Melhuish appealed for reasonableness on the question of hours, as some service for urgent prescriptions should be provided. Mr. Widgery was of opinion that there was no need for urgent service. Mr. Skues was informed that by the new regulations "Rep. Mist." is prohibited. Mr. J. A. Thompson pointed out that the whole question of complaints as to the adequacy of service was due to the doctors' habit of late consultations. If doctors would see their patients earlier than at present there would be no cause for complaint. Mr. Keith also stated that there was no difficulty in the boroughs of Poplar and Stepney, where a large volume of dispensing was done. The doctors see their patients at an early and reasonable hour, and in consequence no one suffered hardship or inconvenience. Mr. J. Keall then opened a discussion on the *Profiteering Act*, and referred to the action taken by the Chemists' Defence Association. He pointed out that most of the complaints were of a frivolous character, and chemists had nothing to fear so long as the present rate of profit was not greater than that of pre-war conditions.

London (N.E.).—The first meeting of new session was held on October 16, at the Board Room, Hackney Baths, London, E., Mr. G. B. Barnard in the chair. The *Profiteering Act* and its effect on chemists was discussed, and it was resolved to adopt the price-list of the "British and Colonial Pharmacist" as the basis of prices to be charged by the members.

London (S.E.).—A general meeting of the South-East London Chemists' Association was held on October 23, Mr. C. Hoppold (President) in the chair. A discussion took place on a letter from the Halifax Chemists' Association in reference to the boycotting of certain patent medicines. Agreement was general with the Halifax suggestions, but the difficulty of a general boycott, without the co-operation of multiple shops, was felt by many to be unpracticable, and finally it was agreed to adjourn the discussion to a subsequent meeting, the Halifax Association to be written to asking for a list of patent medicines not showing 20 per cent. profit on turnover. The meeting then discussed the suggested federation of Associations, and adjourned this subject also to a subsequent meeting. A discussion then took place on the question of rotas for Insurance dispensing after closing hours. Mr. A. J. Wing, chairman of the Pharmaceutical Committee, submitted some new suggested draft regulations, which showed that a better service would have to be given after the usual closing hours than had been usual recently. This caused a lively discussion, and one suggestion by Mr. W. C. Sayers was that for after-hours service a fee

of 3s. 6d. per shop per hour should be paid, in addition to the usual fees. This suggestion, and others on similar lines, had much support, and finally it was agreed to leave the matter till the new complete proposed regulations and terms are published in detail, when a special meeting is to be called to discuss them. The *Profiteering Act* then occupied the attention of the meeting until close on 11 p.m., and information on several points in reference to the Act was given by the President and Secretary. About fifty members attended the meeting.

Newport (Mon.).—Messrs. T. J. Badgett and J. Menhinick, recently elected to the Pharmaceutical Committee, met on October 30 and co-opted the following Panel chemists: Messrs. Benson Harries, Findlay, Shelley, Edwards, Jackson, and Wilson. Mr. Badgett was appointed *Chairman*, and Mr. J. Menhinick *Secretary*. A well-attended Association meeting was subsequently held to consider the *Profiteering Act*. A motion in favour of the adoption of the prices in the list published by Mr. Philip, Herne Bay, subject to such alterations as local circumstances may make desirable, was lost by a small minority, who preferred to fix their own prices by adopting 50 per cent. as a profit on small drug sales, 33½ per cent. on sundries and toilet articles, and up to 25 per cent. on patents. A resolution in favour of requesting the Local Associations Executive to deal with the matter from a national standpoint, and to adopt one or other of these pricing methods, was carried unanimously. After an interval for tea Mr. Benson Harries addressed the meeting. He censured chemists for the apathy shown at the L.A.E. elections, and pointed out the value of co-operation as seen in advocating face values, shorter hours, and federation. He urged also the separation of prescribing from dispensing, and, in advocating the institution of a degree in pharmacy, spoke of the promise of support from the Principal of Cardiff University. An interesting discussion followed.

Perthshire.—A meeting of the Perthshire Pharmacists' Association was held in the Salutation Hotel, Perth, on October 27, Mr. J. J. Forbes in the chair. Insurance dispensing terms for 1920 were fully discussed, and many anomalies and inequalities existing came under severe criticism. The meeting was unanimous in insisting on more remunerative terms, and urged all members loyally to support the Pharmaceutical Standing Committee in their endeavours to secure better terms. In regard to the *Profiteering Act*, members were strongly urged to adopt a recognised price-list.

Sheffield.—A meeting of the Sheffield Pharmaceutical and Chemical Society was held at the Literary and Philosophical Rooms last week, Mr. E. Preston in the chair. A vote of sympathy was recorded to the widow and family of Mr. John Chidwick. Miss M. J. Glaister and Messrs. F. Giles and E. A. Broadburn were elected members of the Society, and Messrs. W. A. Hopwood, Siddall, and W. Reckless were nominated for membership. A general discussion took place on the recent paper given by Mr. Hammond on *Dispensing Charges (C. & D.)*, October 13, p. 63). Mr. H. G. Williams thought several of the items were placed at too high a price to ensure uniformity. Mr. J. Gilbert Jackson was congratulated on his election on the Local Associations Executive. Mr. H. B. Hammond was thanked for his offer to inscribe the names on vellum for the Roll of Honour, which is to be in the keeping of the President for the time being. Mr. J. Austen, the historian of the Society, gave notice that arrangements be made for the keeping of the Society's minute books in the Western Park Museum. A long discussion then took place on the *Profiteering Act*. It was decided to ask that a chemist be placed upon the *Profiteering Committee* and that a member be placed upon the *Advisory Committee*. It was suggested that in case of a complaint being laid under the Act several members should give evidence on behalf of the chemist, and a case should be made out, both for the Chemists' Defence Association and the local Society. It was decided to adopt the price-list of the "British and Colonial Pharmacist" as the uniform list to work to. Mr. Appleton thought pharmacists need have no sleepless nights, as two months of

the Act had already passed. With sound business men on the Tribunal a good hearing would be given and chemists would receive justice. Several members thought that the securing of uniformity in prices would more than balance any pains and penalties of the Profiteering Act.

Staffordshire.—The annual general meeting of the Staffordshire Pharmacists' Association was held on October 30. The retiring President, Mr. Weston Poole, did not wish re-election, and officers were elected as follows: *President*, Mr. A. S. Price. *Vice-President*, Mr. J. H. Whitehead. *Treasurer*, Mr. Ernest M. Mellor. *Secretary*, Mr. C. H. Trotter (Wolverhampton). The previous committee were re-elected with the addition of Mr. L. Reade (Wolverhampton). The Treasurer reported a balance in hand of 45*l.* 15*s.* 1*d.* After hearing the report of the Pharmaceutical Committee the incidence of the Profiteering Act was fully considered. Any pharmacist against whom a complaint may be lodged is asked to communicate at once with the Secretary so that in all cases of unjustifiable complaint proper support may be afforded him. It was resolved to adopt the minimum retail price-list for the Staffordshire Pharmacists' Association, and members are requested to note this.

Ulster.—A well-attended and representative meeting of the Ulster Retail Drug Trade Association was held in the rooms of the Chemists' and Druggists' Society, Waring Street, Belfast, on October 23, the speaker being Mr. J. Keall, President of the Proprietary Articles Trade Association. Mr. W. J. Hardy, President of the Ulster Association, introduced the speaker. At the close of the address the following points were discussed: (1) Criticism of the composition of the P.A.T.A. Council and Executive. (2) Non-adherence of the P.A.T.A. wholesalers to P.A.T.A. wholesale prices. (3) Unfairness of large retail buyers not being granted any concession in many instances. (4) Utterly inadequate retail profit on many P.A.T.A. articles, while the wholesale trade was fully protected. (5) Co-operative societies and grocers. (6) Measures to be adopted in dealing with non-paying patents outside P.A.T.A. Messrs. Dobbin, Hudson, Guiler, Hardy, Carse, McDonald, A. Wilson, Kells, and others took part in the discussion, and the following resolutions were adopted:

(a) That this meeting of the Ulster Retail Drug Trade Association strongly recommends that the retail drug-trade should have a larger representation on the P.A.T.A. Council than they have at present, making it equal at least to the combined representation of manufacturers and wholesalers.

(b) That the retailers' profits should be at least 33½ per cent.

(c) That the distribution of goods controlled by the P.A.T.A. should be confined to the drug-trade only.

(d) That retailers have equal rights with wholesalers in purchasing goods from manufacturers.

A vote of thanks was passed to Mr. Keall by acclamation, on the motion of Mr. H. G. Pring (Grattan & Co.), seconded by Mr. F. T. Smith, J.P. (Antrim).

Waterloo.—About a score of members of the Waterloo Chemists' Association, which embraces Waterloo-cum-Seaforth, Litherland, and Great Crosby, resumed their quarterly meetings at the Central Pharmacy, South Road, Waterloo, on October 29, Mr. J. D. Maries being re-elected *President*, Mr. E. J. D. Manson (Waterloo) *Hon. Secretary*, and Mr. G. H. Cole (Blundellsands) *Treasurer*. Messrs. E. A. Rider and J. M. Badcock were thanked for the preparation of a working list of prices for prescription dispensing.

West Bromwich.—At a meeting of the West Bromwich Pharmaceutical Association, held on October 28, a lecture was given on *Scenery and Some Causes to Which It Is Due*, by Mr. L. Richardson, F.R.S. (Edin.), F.G.S. (Cuxson), Gerrard & Co., Ltd). The lecture was illustrated by lantern-slides. The lecturer showed that the action of the weather was vertical, and tended to produce hills and valleys; that of the sea, horizontal, producing capes and bays; while that of the snow and ice during the glacial period—in addition to causing many noticeable rearrangements of certain river systems—evolved sharp features out of land masses previously exhibiting the more rounded characteristics due to the action of streams and rivers.

Trade Notes.

"ELEG" or Yorke's "Liquid Life," a cure for influenza, is advertised in this issue by Elel, Ltd., 94 East Street, London, S.E. 17.

VITMAR is a new food for growing children advertised in this number by Callard & Co., 74 Regent Street, London, W.1. It retails at 2*s.* 3*d.* per jar.

CROSEY'S COUGH ELIXIR.—Dr. Charles Rooke, Ltd., Leeds, make an offer to exchange old stock of Crosby's Cough Elixir or other preparations of the company.

RAT-QUIT is the name of a paste-form rat-poison containing barium, which is placed on the market by Lawson & Co. (Bristol), Ltd., Bristol. It has been well tried. It has been found to attract rodents, and the fatal dose is very small.

VITAFER PRICES have been reduced as follows: Retail 1*s.* 6*d.*, 2*s.* 6*d.*, 4*s.* 6*d.*, 7*s.* 6*d.*; wholesale 12*s.*, 20*s.*, 36*s.*, 60*s.* (less 5 per cent.). The advertisement in this issue of Southall Bros. & Barclay, Ltd., Birmingham, explains the reason for the change.

VIOLIV ICE.—The Violiv Manufacturing Co., 26 Haymarket Terrace, Edinburgh, are advertising violiv ice in this issue as a special winter preparation for sale by chemists. Violiv is employed for chapped hands, and is put up in the form of tablets retailing at 4*d.* Show-cards are supplied to chemists who stock this saleable line.

SUCRON.—The Greenwich Lemonade Co., 11 John Penn Street, London, S.E. 13, are advertising Sucron in this issue as a soluble sugar substitute for household use. Now that the price of sugar has been increased and the ration has been decreased it should be a suitable time to push the sale of Sucron. The packets sell at 4*d.* and 7½*d.*

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

77/39. Suppliers of cake saffron.	81/66. "Lintanel."
78/9. Pearson's sodium arsenate tablets.	78/62. Verbena essence, first-hand supplies.
78/8. "Parepex Killegee" tablets.	82/7. "Leeson" for children's heads.
78/18. "Climosal" tablets.	82/10. Alum blocks for use after shaving (Kirkby, Hall & Co.).
82/72. "Lotus" eye ointment.	84/46. Crude sodium dinitro cresylate; makers.
79/9. "Jerupiga."	84/60. "Serrodin" tablets.
83/21. "Vagline" in jars.	
78/19. "Mitham Peppermint Oil" (E. W. Martin).	

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

"Bromidia," 79/44	Louargol, 82/9
"Bromo" toilet-paper, 79/44	Magnesium chloride, 75/17
"Calox" tooth-powder, 79/44	"Manola Tonic Wine," 74/1
Campilor Flowers, 71/60	"Marcura" shaving soap, 72/70
"Camphorodylene," 70/3	"Marvena" shaving soap, 72/70
"Ciefa," 82/5	Mennen's tale, powder; agents, 74/2
"Cuticura" preparations, 76/3	Metal pump sprays, 70/5
De Witt's pills, 74/2	Mother Selgel's syrup, 82/6
Dusart's syrup, 79/44	Nyal's preparations, 81/66
Esset's Sanitary Fluid, 69/53	"Orlene" for deafness, 64/18
Feeding-cups, 81/65	Pinaud's preparations; agents, 81/11
"Fixit," 81/67	Piver's perfumery; agents, 68/60
Ermit laxatives, 77/12	"Polmo," 62/31
Glycerophosphates, 72/66	Pond's Arch Supports, 148/10
Gowlands' lotion, 69/53	Potassii sulphurata, 72/67
Hansen's corn salve, 78/6	"Rami" rat-poison, 71/26
Haydock's pills, 59/71	Rayold dentifrice, 78/9
"Heel Ecz" tablets, 48/2	"Rexcan" perfumery, 73/23
"Helicon," 75/28	Rigollet's Mustard Leaves, 74/2
"Helminticon," 181/48	Robbins' "H.B." Syrup of
Iron sulphate, 81/71	
King's Patent Catnail, 71/20	
Kruschen salts, 78/17	
"Laxoids," 76/55	
Limestone phosphates, 79/10	
"Liquifruta," 79/44	

Observations and Reflections.

By Xrayser II.

The Anti-Profiteering Cases

Reported last week show how precarious is the position of even the fairest of dealers under the Profiteering Act. Of two exactly similar camphor cases one was successful and the other dismissed; and in one or two other cases an attempt was made to convict a man for taking advantage of a rise in the market since his goods were bought, oblivious of the fact that corresponding losses are incurred when the market has fallen. I note that the turn of the wholesaler is about to come, not that I attribute any peculiar blame to him, but that the true cause or causes of the increase in the cost of living may the sooner be made plain. As at present administered, the Act only plays with the fringes of the subject; it has confessedly failed to effect any reduction in prices, and it is manifestly unjust to a class of persons who have been among the most hardly hit of the community by the indirect consequences of the war. When the big manufacturers who really control prices come into the field we shall be more likely to get at the root of the matter.

The Australian Attitude

towards our Society's dilution of the Register is sufficiently significant to cause some heart-searchings among the Councillors who supported the by-law, and we may hope it will have the effect of preventing any further dilution. It is a well-deserved slap in the face for those who so long opposed the admission to the Register of men with a Colonial qualification, and whose present action shows how little of principle there was in their opposition; they strained at a gnat and swallowed a camel. It is not pleasant for British pharmacists to find their qualification thus cheapened, and the standard they have so long upheld dragged in the dust, but the action of the Australian societies will be universally approved. Our Council has stultified itself in the face of the world.

Gum Tragacanth

is one of the oldest articles of our materia medica, being known to Theophrastus, who mentions Crete, the Peloponnessus, and Media as its native countries. The so-called Syrian tragacanth, from Kurdistan and Persia, is now the only official variety with us, but it is a comparatively late comer, apparently, for Hanbury, writing in 1874, says it "sometimes appears in the London drug sales." Formerly we were supplied mainly through Smyrna. Tournefort, in his "Voyage into the Levant," corroborates Theophrastus with regard to its growing in Crete (Belon had contradicted him), for he found it there on Mount Ida, and gives a good account of it, with a fine plate showing the natural exudation of the gum from the stem. It is new to me that it is obtained from incisions in the roots; perhaps the lower part of the stem is meant. The popular name "gum dragon" affords a good instance of plant-etymology. The old name was gum adragant, or adraganth; the initial "a" was dropped, giving dragant (Gerard has dragagant), which, by dropping the final letter, gives dragan, and ultimately dragon.

The History of Trade-Routes

from the earliest times, "a magnificent treatise, incomplete in three volumes," is, says Sir Arthur Quiller-Couch in his recently published "Studies in Literature," "among the fascinating books that have never been written." I have often longed for such a work, and even coveted the ability to write it. Among the routes Sir Arthur is particularly desirous to have explored is that by which the Tyrian dye was carried, and one of the questions to which he wants an answer is, "Who, and what sort of man opened an aloe market in Socotra?" The question is interesting enough, but the supposition that Socotra was but a point in the aloe-trade route is fallacious. Originally Socotra was the

only ascertained source of aloes, and there is a legend that when Alexander had conquered the Indian islands he was recommended by Aristotle to seek out the one that produces aloes, which led to his acquisition of this island too, and the re-peopling of it with a Greek colony. However this may be, aloes was known to the ancients, and was carried from Socotra by way of the Red Sea and Alexandria. Saldanha seems to have been the first European to reach the island in modern times, unless we are to understand from Marco Polo's reference to it that he actually visited it himself. Saldanha's discovery took place in 1503. The island and its products were well described in 1607 by Keeling and Finch, and in 1612 Captain Saris did a big deal in its aloes, purchasing from the "King" 4,067 lb. for 1,418½ "Ryals of Eight," the exact value of which I cannot give. Two years before this our Captain Middleton had been there on the same errand, but fruitlessly, the whole crop for the year having been disposed of to the Sultan of *Tartach*, in Arabia Felix. Middleton reports that the King (Sultan) had had the trade entirely in his own hands for 100 years, and this is said to have been the case down to 1833.

Without Posing

as a "Philological Authority" or pretending to any acquaintance with Italian, I may venture to say that both our own "spice" and "spicer," and all the corresponding words in the Romanic languages mentioned by your Paris subscriber, are derived from the Latin *species*, which denoted among other things spicery and drugs. Our English "spicer" seems to have come into use earlier than "grocer," and to have referred more definitely to one who dealt in drugs. I have in a previous note mentioned the fact that in 1273 the Mayor of York was "John le Espicer, aut Apotecarius."

Under the Letter S

the Oxford Dictionary has 57,428 words and 298,006 illustrative quotations, as against 28,342 of the one and 24,100 of the other in the "Century Dictionary," the next largest work of the kind. The section *Sweep—Szmikite*, which completes this letter, like the last before it, contains few words of special interest to us. *Sweet* is one of them, mainly on account of its collocations. Originally it referred to the sense of taste only; in flower-names it may refer to either taste or smell. As a name for sweetmeats *sweeties* is more than a century older than *sweets*. *Sweet waters* was formerly a name for liquid perfumes; in technical use it is now given to sweet liquids obtained as by-products of certain manufacturers; the latest quotation for the earlier use is dated 1859. I find no quotation for *sweet cane*, formerly the common name for *Acorus calamus*, which is here referred to under *sweet flag*. *Sweet hoof*, an old name for *Blatta Byzantia*, once familiar in medicine, is also absent. *Sweetwood bark* is cascarilla bark, the tree yielding it (*Croton eleuteria*) being one of the white sweetwoods. Swinebread is sowbread, or cyclamen, of whose abortifacient properties such absurd opinions were held; thus Sylvester sings, in his translation of Du Bartas:

If over it a Child-great woman stride,
Instant abortion often doth betide,

and Gerard, in prose, speaks to the same effect. The name *swine's cress* is common to many plants; *swine's grass* is usually knot grass, but sometimes ragwort. Our popular sycamore is a species of maple; the sycamore of the Bible a kind of fig. *Sylvester* was formerly a name for an inferior sort of cochineal. *Symptom* is from the Greek, and was originally written *synthoma*, meaning chance, accident, mischance, disease. Under *synthesis* there is no mention of synthetic drugs, although the definition given would include them. *Syphilis* first occurs as the title of a poem in Italian published at Verona in 1530, but it also occurs in the poem itself as the name of the disease from which its "hero," a shepherd named Syphilus, was a sufferer. Nahum Tate translated the poem into English in 1636, under the title "Syphilis; or, a Poetical History of the French Disease." This is a long way from Tate and Brady's version of the Psalms. *Syrup* first occurs as a medical term in Trevisa (1398).

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Editorial Articles.

Medical Benefit Regulations.

We have received from the Minister of Health a copy of the draft Medical Benefit Regulations, 1920, made under the National Insurance Acts. It is an interesting document, in which attempts have been made to meet the criticisms of the present Regulations which have been made by various parties, and to amend some of the abuses which exist. Whether these draft Regulations will be sanctioned in the form now drawn up we cannot say, but it must be remembered that the medical practitioners, whose interests are always considered first by the Ministry of Health, have not yet sent in suggestions.

Those medical men who are so anxious to get the profit on the supply of drugs, as well as the fees for medical attendance, may probably object to the attempt to amend the arrangements as to the "mile limit" in rural areas. Under Clause 10 (2) of the draft Regulations the patient in such districts is required to notify the Insurance Committee that he desires to obtain drugs and appliances from the Insurance practitioner in whose list he is included. The patient is, in Clause 16, to have the opportunity of changing his medical practitioner by giving notice to the Insurance Committee of his desire to do so before June 1 and December 1; formerly he could only, as a rule, change his doctor on one occasion during the year. An attempt is made to prevent Insurance medical practitioners from ordering "Rep. mist." on prescriptions. According to Clause 8 (10) of the First Schedule of the Regulations, which deals with prescriptions (orders they are called in the Regulations), "The order shall be signed by the practitioner with his own hand, and shall not be written in such manner as to necessitate reference on the part of the person supplying the drugs or appliances to a previous order." There are a few changes as regards the pharmaceutical service. Clause 9 requires the Insurance and Pharmaceutical Committees to prepare a scheme for securing that one or more places of business of persons supplying drugs or appliances in each district shall at all reasonable times be open to insured persons, and for the purpose of the scheme the days and hours when such places are open are to form part of the terms of service of persons supplying drugs or appliances. This is amplified in the Third Schedule, the following being the new requirements:

(2) At each place of business at which a chemist supplies drugs or appliances he is required (i) to exhibit a notice to be provided by the Committee in the form presented in Part IV. of this schedule, and (ii) to exhibit at times when the place of business is not open and in such a manner as to be visible at such times a notice to be provided by the Committee in the form prescribed in Part V. of this schedule, indicating the days and hours on and at which the places of business of other persons supplying drugs or appliances in the immediate neighbourhood are open.

The wording of the prescribed notice in Part V. of the Schedule is as follows:

NATIONAL HEALTH INSURANCE.

When this shop is closed the nearest shops for the supply to insured persons of medicines and appliances are:

It will thus be seen that a compulsory rota is to be arranged in each district, but the meaning of "at all reasonable times" has to be fought out in each area. The provision for supplying containers for medicines supplied to patients still requires the chemist to pay back the sum deposited for the bottle. Another provision gives chemists the right to withdraw from the panel after three months' notice, or such shorter period as the Insurance Committee may approve. There is a saving clause altering this to two months when the new Regulations first come into force, the reason being that, in accordance with notice that has been given, the new Regulations will not be ready by January 1. It is pointed out in "The Script" for November that this suggested alteration does not prevent chemists who desire to withdraw from the panel at the end of the year giving notice on December 1. The Regulations do not deal with the paramount question of remuneration for dispensing, but we are informed there is a fair prospect of a 50-per-cent. increase in dispensing-fees being granted. This is probably considered *quid pro quo* for the imposition of further conditions upon chemists, but our opinion is that the amount of the proposed increase is not sufficient to compensate chemists for the imposition of the compulsory rota. We are hoping that the new leaven on the Local Associations Executive will be able to put more backbone into the negotiations with the Ministry of Health. There is not the excuse of the war now for the acceptance of any conditions and payment that the Government choose to offer. Moreover, the cost of conducting a dispensing-chemist's business has never been higher than it is now, and we do not think the high-water mark of overhead expenses has yet been

reached. The Scottish chemists are seriously applying themselves to the task of obtaining better remuneration for Insurance dispensing, and there seems a reasonable chance that the efforts will be successful, in view of the united front which, owing to the complete organisation in Scotland, the chemists will present.

Profiteering Proceedings.

DURING the week the injustice to traders which is caused by frivolous complaints of profiteering has been intensified. In no trade does this remark apply with greater force than to that of the chemist. There is a proposal to send a deputation to Mr. McCurdy regarding the defects in the administration of the Profiteering Act as disclosed at the Surbiton Tribunal. One of the greatest difficulties is the ruling by more than one Profiteering Committee that the profit on the goods is to be based on the invoice price and not on the market price ruling at the time of the retail sale. The latter principle is the basis of all retail sales, and in the drug-trade is provided for by the periodical publication of wholesale and retail price-lists. The members of Profiteering Committees which have given the extraordinary decision referred to above are probably unacquainted with trading principles. They are also, we think, lacking in common sense if they imagine that it would be possible to carry on the drug-business upon any other basis than the market price at the time the sale was made. A chemist ordinarily stocks some five thousand articles, and in most cases the stocks are replenished at irregular intervals according to the demand for the drug or chemical. It would therefore be impossible to secure uniformity in prices upon any other basis than published price-lists. The prices of a particular article would vary at each pharmacy according to the time it was purchased, and the chemist charging a different price (especially if higher than another pharmacist charges) would be liable to be lauded before the Profiteering Committee for an explanation. Some steps must be taken to show the Board of Trade that a price-list is a fair guide as to what is a reasonable price, and that the uniformity brought about in this way is in the interests of the public. The question is one which should be submitted to the Advisory Committee without delay, and a recommendation issued to all local Committees. Another point is the method of calculating the rate of profit. This, according to long trade usage, is calculated on the selling price and not on the cost price, but it appears that some tribunals are unaware of this. The Profiteering Act was a hastily devised method, and has proved itself to be by no means a just instrument for regulating prices. The effect has been rather to make the retail trader the butt of any member of the public who imagines he has been overcharged. Some people are so constituted that they always imagine they are charged more for an article than they should be, and the Profiteering Act provides them with an easy way of venting their spite on the retailer. It costs the retailer time and money to rebut the wanton charges that are made with such ease.

The Profession of Chemistry.

THE question of our right to the title "chemist" is raised again by Mr. Pilcher, Registrar and Secretary of the Institute of Chemistry, in his recently published work, "The Profession of Chemistry," the second chapter of which is devoted entirely to this subject. That we have a legal right to the title Mr. Pilcher, of course, does not deny, but his argument throughout implies that we have not a moral one, and he appeals to us on the ground of justice to give it up. He says that the fact of the title being used "for two distinct callings" acts detrimentally to the class he represents, who will "need, for some time yet, constantly to explain that they are not pharmacists." We confess we have been unaware of this necessity, and should have supposed that the distinction between the chemist and druggist and "those who practise in chemistry applied to the arts and manufactures" was sufficiently understood by all but a very few of such

ignorant persons as in like manner confuse the druggist with the doctor, and surely they are negligible. Mr. Pilcher, however, does not think so, and he makes a "digression" of some twenty-six pages to set the matter right. In order to establish his thesis Mr. Pilcher gives a sketch of the history of chemistry as applied to pharmacy, beginning with the chemistry of Egypt. He does not fall into the error of tracing his subject no further back than to the Egyptian alchemists, but he ignores the fact that long before their time mineral medicines were in use, and that consequently iatro-chemistry may be supposed to have preceded alchemy. Of the origin of the term "chemistry" he wisely says nothing, since the balance of probability is now held to be that it originated in Greece, and referred to what we now call galenical preparations. All he says of the Greeks indeed is that they borrowed their wisdom largely from the Egyptians and were concerned with pharmacy rather than with chemistry. But pharmacists, we are told, commonly base their claim to the title "chemist" on the declaration of Paracelsus that "the true use of chemistry is not to make gold but to prepare medicines." Be this as it may, neither Paracelsus nor the somewhat apocryphal Basil Valentine was (as Mr. Pilcher supposes) the first who suggested the use of chemical preparations in medicine. This has been claimed for the Arabian school, and it is certain that Rhazes (a Persian by birth) studied chemistry in Bagdad as a branch of medicine, and prescribed chemical as well as vegetable remedies. Mr. Pilcher, however, declares his point to be that what Paracelsus chose to call chemistry was nothing of the kind; nothing, in short, is chemistry which our author does not choose to call so, and even that ceases to be chemistry when it is applied to medicine. How is it, then, with the chemistry that is "applied to the arts and manufactures"? For the later history of pharmacy Mr. Pilcher confesses his indebtedness to Bell and Redwood, from whose "Progress of Pharmacy" he quotes freely. He makes a bad slip when he says that the first London Pharmacopoeia was published in 1721; he omits many important facts and misunderstands others; and he makes the whole story mean something very different from what his authors intended. The chemist and druggist were, no doubt, as he says, for a time two distinct persons, but they came together under one composite designation earlier than he makes appear. There were "Chemists and Apothecaries" before there were "Chemists and Druggists"; the chemists did not answer to the manufacturing chemist of to-day so nearly as he thinks; they were shopkeepers (sometimes multiple shopkeepers); they not only prepared but dispensed medicines; and as early as 1748 the "encroachment which chemists and druggists have of late years made on the profession of the apothecary" was the reason alleged by the apothecaries for applying for a Royal Charter. This junction of the two originally separate callings was in fact inevitable from the first. All this is evident from Bell and Redwood's narrative, but Mr. Pilcher either ignores it altogether or misses its significance. He cites Bishop Spratt's "three classes of chymists" as if they confirmed his view, but they do the exact opposite; he insists upon the fact that, apart from alchemy, there was a succession of philosophical chemists all along, though they did not "come very much into the limelight"; he admits that these and the medical chemists both derived their origin from the same source; but in face of all this he will not admit that the pharmacist, the man who combines chemistry and medicine, has the same right to the title "chemist" as his "philosophical" brother. It does not seem to have occurred to him that the case is simply one of differentiation of function. It is not necessary to follow this historical sketch further, but the conclusion to which Mr. Pilcher comes (a foregone conclusion) demands our attention still. Full justice is done to the pharmaceutical chemists of to-day. Many of them, he says, have risen to positions of great responsibility, "requiring special chemical as well as pharmaceutical knowledge and frequently considerable acquaintance with physiology and pathology, and have made discoveries of far-reaching importance." But the mere pharmacists have learned to rely on the manufacturing chemists; they have developed the commercial side

of their business; have sold "patents," and trenched on other businesses; and instead of rising to the scientific heights attained by the Major men (or some of them) they have become more of the druggist and less of the chemist. He then examines the five reasons supposed to be given by these pharmacists for their claim to have, "notwithstanding all the evidence we have culled from the history of British pharmacy," a prior right to the title "chemist," only one of which he regards as of much force—namely, the fact of having been examined and certified in chemistry, against which he sets the fact that they have not proceeded to the Major examination. Our legal right he admits, but is hopeful nevertheless that his argument may persuade us to relinquish it; he appeals to us to do so, and generously adds that as the Pharmaceutical Society cannot restrict the use of the title unless the user unlawfully keeps open shop (he omits to say that it has never tried), so, on the other hand, there is no desire on the part of the true chemists to interfere with our business. We do not think his appeal will prevail. We have shown that his history is wrong and his conclusion unfounded.

The Sugar Supply.

THE scarcity of sugar has caused apprehension in some quarters that the amount available for pharmaceutical purposes will be inadequate, in view of the fact that the substitutes for the sugar containing galenicals of the British Pharmacopoeia are no longer official. It is true that the manufacturers' sugar coupons, which were ordered to be sent back to the Food Office, have been returned with amounts credited that appear far too small, but on inquiry we find that for the present the face value will be honoured by three times the amount. So soon as the restrictions are removed the coupons will be taken as being of four times the value.

Imports of Proprietary Articles into Poland.

THE "Polish Economic Bulletin," a monthly journal, published at Łódź by the Polish Commercial and Financial Agency, 88 Kingsway, London, W.C.2, states that drugs, medicines, and pharmaceutical and toilet preparations can be "authorised" by licence obtained from the Pharmaceutical Section of the Ministry of Public Health, Warsaw, this applying also to imported articles. Two samples of the particular article are to be supplied with an analyst's fee of 100 marks and information as to the composition, mode of preparation, uses, and price.

The Quinine Situation.

THERE is very little to add to what has already been said in regard to quinine (*C. & D.*, October 4, p. 81, and 11, p. 60). Formally the Government has not yet raised the Control Order, but we are informed that negotiations between the Government and the leading quinine people in the country are proceeding with that end in view. It is to be hoped that the Government by now realise that in investigating a so-called "quinine ring" they have been chasing a will-o'-the-wisp, as all the required information was already in possession of the Government Departments. Meanwhile the Control Order exists, though in practice it is a dead letter. Government interference in trade is bitterly resented, as are the statements, attributed to Mr. McCurdy, regarding the Dutch quinine manufacturers, whose treatment of the trade in this country has always been fair.

PRACTICALLY all exhibits at the British Industries Exhibition at Athens have been sold.

SIR JOHN SIMON ON LINSEED OIL.—Sir John Simon, speaking at a dinner of the Political Economic Circle of the National Liberal Club, said the removal of certain war-time embargoes on imports had already in some cases lowered prices. For instance, linseed oil since the prohibitions had been removed had dropped in price from 126*l.* to 76*l.* per ton. Sir John is quite wrong. There have been no restrictions on the importation of linseed or linseed oil. The fall in prices is due to the increased home output of oil and the large imports of seed.

Pharmaceutical Society of Great Britain.

Council-meeting.

A MEETING of the Council was held on November 5 at 16 Bloomsbury Square, London, W.C. All the members were present with the exception of Miss Buchanan, and the chair was occupied by Mr. W. L. Currie, the President. The minutes of the meeting held on October 1 were read and confirmed.

THE LATE MR. J. C. UMNEY.

THE PRESIDENT said that before proceeding with the business of the meeting he could not allow the opportunity to pass without referring to the loss which the Society in particular and pharmacy in general had suffered by the death of their friend Mr. J. C. Umney on October 9. In many respects it was almost unnecessary to refer to the conspicuous and fruitful services which Mr. Umney had rendered to the craft, of which he was in all respects so great an ornament, as they were well known to all who took even the most casual interest in matters pertaining to pharmacy. The son of an illustrious father, he even eclipsed his father in intellectual accomplishment, in practical attainment, and public service. He was proud to reflect that for many years he had included Mr. Umney in the circle of his most intimate friends, with whom it was ever pleasurable and profitable to meet. His great personality, his genial expression in conversation, were delightful and pleasing. The President concluded by proposing that the following resolution be recorded in the minutes:

That this Council records with deepest regret the death of J. C. Umney, whose name will ever rank with the foremost personalities in the history of pharmaceutical progress in Great Britain. For nearly thirty years his labours in pharmaceutical science, his counsel in pharmaceutical administrative affairs, and his extensive specialised knowledge of drugs have freely been placed at the service of the Society, and the Council as well as British pharmacy owes a deep debt of gratitude to the life-work of John C. Umney. The Council proffers its respectful and sincere condolence with the members of the family of its late distinguished officer, and desires to express its sense of the heavy loss which has fallen upon them and the whole community of pharmacy.

THE VICE-PRESIDENT, in seconding the resolution, also referred to Mr. Umney's magnetic and delightful personality, and to his rare accomplishments in the realm of pharmacy. His death left a blank which it would be very difficult to fill.

The resolution was adopted in silence, the members of the Council upstanding.

QUESTIONS.

THE PRESIDENT read out questions put by members of the Council, and the answers to them, in the following order:

By Mr. Melhuish: Is the Committee and Council procedure, adopted by the Council in January last, considered satisfactory, and is it a fact that since the system was initiated it has been found necessary to modify it considerably each month?

Answer: It cannot be said that the present system is working satisfactorily, and this meeting will be invited to deal with the question on a paragraph in the Secretary's report to the Council.

By Mr. Guthrie: Has the "joint case" referred to in Clause 1 of Terms of Agreement between the Pharmaceutical Society and the Scottish Federation (dated July 4, 1919) been prepared? If so, has it been submitted to the Courts, and can it be said approximately when a decision may be reached?

Answer: This matter has been in the hands of the solicitors since August. A copy of the question has been submitted to the solicitors, who supply the following answer:

The opinion of counsel with special experience in trade-union law was taken, and such opinion has been communicated last month by the Society's solicitors to the solicitors

to the Scottish Pharmaceutical Federation. Counsel's opinion above-mentioned advised as to the exact method to be followed in order to bring the question required before the English Courts in the most suitable manner, this necessitating the Federation taking a particular initiative; and as it appeared from the reply received from Edinburgh from the solicitors to the Federation that they did not entirely agree with such opinion of counsel, the solicitors of the Pharmaceutical Society suggested that counsel for the Federation should confer as soon as possible with the Society's counsel upon the best form of procedure required. This has been done in order to simplify matters and to obtain a proper decision. The reply to that suggestion by the Society's solicitors has not yet been received.

By Mr. Wolff: (1) Will the President say what steps, if any, have been taken to get a legal decision with regard to the Society acting as a Trade Union?

Answer: On August 7 definite instructions in writing were given to the Society's solicitors in London to get into touch with the solicitor to the Scottish Federation, with a view to the preparation of a case for the High Courts in accordance with the agreement arrived at at the Conference in Edinburgh. Both solicitors have been informed that the Society are desirous that every possible step should be taken to expedite the case.

(2) Will the President say if the agreement between the Council and the Scottish Pharmaceutical Federation is still in existence?

Answer: The answer is in the affirmative. So far as I know, no step has been taken by the Council or the Federation which would indicate the contrary.

ELECTIONS AND RESTORATIONS.

Forty persons were elected members, 122 student associates, 4 were restored to the Register, and 12 to the Society. The report of the Registrar showed that 353 apprentices or students had been registered since the previous meeting.

SEALING A BY-LAW.

THE PRESIDENT proposed a formal resolution that the corporate seal of the Society be affixed to the proposed by-law relating to apothecaries' assistants.

MR. JENKIN inquired if the list of institutions at which those affected by the by-law had served or are now employed was complete and closed.

THE PRESIDENT replied that the list referred to being included in the regulations framed under the by-law was not referred to in the by-law, and that therefore it was still subject to additional revision.

MR. JENKIN contended that the understanding arrived at by the Council was that the list was to be approved before the by-law was sealed.

THE SECRETARY offered the explanation that the list was submitted in the report to the Council of the Advisory Committee, and that this list was identical in every respect with the one submitted by the Committee to the Council.

MR. JENKIN said his understanding was that the names of four additional institutions had been included in the draft.

MR. HINES recalled the fact that at the annual meeting of the Society, when this matter was broached, a promise was given that the regulations would be published and that an opportunity for their discussion would be afforded before the by-law was passed.

MR. SKINNER stated that the Sub-Committee had objected to a certain style of institution being included in the list; but that, notwithstanding this, these had been included in it.

MR. CAMPKIN said that as one of those who had throughout opposed the confirmation of the by-law he would, even if he stood alone, oppose the sealing thereof as proposed. While upon the subject, he desired to emphasise his opinion as to the tactics adopted to secure a majority of the members of the Society in its favour by two or three of those who directed the operations. He referred especially to the one who compiled and the one who affixed his signature to the scurrilous and mendacious circular that was issued to thousands of the members of the Society, at the expense of the Society, reflecting upon

the business and administrative character and the capacity of those who acted in good faith as representatives of thousands of those members who were strongly opposed to the admission of unqualified persons to the Register. For himself he had to say that he had spent a lifetime in the public service, not only locally, but nationally and on behalf of pharmacists generally, and that, too, for no fee or reward except that of appreciation by those in whose behalf he had worked. The infamous circular to which he had referred reflected upon his character as an administrator and in other ways, and he strongly resented it, as did many others in all parts of the country, who had not only communicated their feelings to him, but expressed them in a public way. This conduct on the part of those who should have known better would sooner or later, and probably sooner than later, recoil upon themselves, and in a manner that would, perhaps, give them cause to regret that they had taken such action against honourable public men, whose main purpose was to serve the interests of thousands of those whom they represented. Perhaps he need go no further but follow the example of the late John Bright during an election contest which took place in a borough in which he (Mr. Campkin) lived many years ago. The attention of that gentleman was called to a scurrilous and infamous attack made upon him by one of the candidates. His answer was, "I have no time to spare, nor have I the inclination, to defend myself against the attacks of every petty individual who assails me. There are some men who go through dirt to dignity." "I leave the moral with you, Sir," concluded Mr. Campkin. "I protest against the passing of this by-law, and even if I stand alone I shall vote against the seal being affixed to it."

MR. PARRY: Mr. Campkin is quite justified in protesting as he jolly well pleases about the by-law, but I do say that he is not justified in accusing two or three, as he says, members of this Council and officers of this Society of conspiracy. Mr. Campkin is the Chairman of the "Journal" Committee, the Committee controlling our own journal. He is responsible for its production.

MR. CAMPKIN: I am not.

MR. PARRY: Well, you ought to be if you are not. It is your business and you ought to be responsible for it. But, notwithstanding the position which Mr. Campkin occupies, he ignores the "Journal" and attacks his own colleagues in the pages of an opposition journal. I have never known that sort of thing to happen before.

MR. SKINNER: Mr. President, on a point of order, is Mr. Parry in order in referring to personalities that have nothing to do with the case?

THE PRESIDENT: Personalities have been indulged in, and I deprecate entirely the conduct exhibited to-day at the Council table. It is not creditable.

MR. PARRY: Mr. Campkin has attacked two or three members of the Committee, but all were more or less responsible for the circular. And when I put my hand to sign that circular I did it from the sheer fact that it was the right thing to do, and certainly from no desire to attack any member of the Council or to insult anyone.

THE CHAIRMAN: I will now put the resolution.

MR. WOLFF: I move that a ballot be taken on this question.

THE SECRETARY pointed out that it was necessary for three members to consent to a request that the votes on any question should be recorded. The Vice-President and several others expressed their willingness to support Mr. Wolff's request.

MR. HINES: Mr. President, you remarked just now that the conduct at the table this morning has been disgraceful. (Voices—"Discreditable.") Well, discreditable. I think the whole thing emanates from the disgraceful and discreditable circular you yourself signed. (Cries of "Order.") I wish to state, and to state it now, that I associate myself in every way with what Mr. Campkin has said.

A vote was then taken and the names of those voting for and against the resolution that the corporate seal be affixed to the proposed by-law were recorded as follows:

For.—Messrs. Bilson, Cuff, Currie, Deakin, Gifford,

Gathrie, Hagon, Jenkin, Keall, Melhuish, Neathercoat, Parry, Rowsell, Sergeant, White, and Young—16.

Against.—Messrs. Campkin, Hines, Skinner, and Wolff—4.

THE PRESIDENT then declared the resolution carried.

SCOTTISH BUSINESS.

The list of divisional secretaries submitted by Mr. Rutherford Hill, Secretary of the North British Branch, was approved, and also the list of examiners.

OCTOBER EXAMINATIONS.

The following details of the examination held in October were submitted:

	Examined	Candidates—	
		Passed Part I.	Passed Parts I. and II.
England and Wales (qualifying)	227	22	76
Scotland	84	13	35

BELGIANS' GRATITUDE TO BRITISH CHEMISTS.

The Secretary read a letter from M. Patou, Secretary of La Nationale Pharmaceutique de Belgique, dated October 16, stating that with reference to the printed address bearing the signatures of the members of the Council of that body which would reach him (the Secretary of the Society) within a few days, all the professional workers of the organisation desired to express their deep gratitude to the British chemists for the generosity they had extended to Belgian pharmacists who had suffered through the war. With that object they had opened a subscription amongst the Belgian chemists, and the result of the subscription was enclosed in the shape of a cheque for 10,000 francs, which it was asked should be devoted to the Benevolent Fund of the Society. The Secretary placed the address referred to, enclosed in a handsome case, on the Council-table, and reading from a description of the address which was forwarded, explained that with the authorisation of the Burgomaster and Aldermen of Antwerp the document was printed in the old types which once belonged to Plantin, the celebrated Antwerp printer.

A translation of the address was read by the Secretary. The reading of the address was received by the Council with loud applause.

MR. WHITE, MR. HINES, and MR. MELHUISE expressed their appreciation of the gifts, and the PRESIDENT then proposed

That the Council accepts with feelings of profound gratitude and pleasure the graceful and generous contribution of 10,000 francs to the Benevolent Fund by La Nationale Pharmaceutique de Belgique in the name of the pharmacists of Belgium as a recognition of British sympathy with their distressed colleagues extended during the war. The Council, on behalf of the pharmacists of Great Britain, reciprocates most heartily and sincerely the noble sentiments of co-fraternal regards expressed so eloquently and felicitously in the address accompanying the handsome contribution, and desire to assure La Nationale Pharmaceutique de Belgique that it will be the constant endeavour of the Society to promote the closer union of British and Belgian pharmacists which has been inaugurated through trial and tribulation, and cemented by mutual sacrifice and suffering.

The resolution was carried unanimously.

THE FUNCTIONS OF THE SOCIETY.

The Secretary read a letter from the Secretary of the North British Branch with reference to the functions of the Society and the proposed test action to ascertain its powers under its Charter. It was dated October 30, and stated that when the report on the Conference of representatives of the Council and members of the Executive of the North British Branch and of the Council of the Scottish Pharmaceutical Federation on July 4 was submitted to the Executive Committee of the North British Branch at the meeting held on October 29, the letter of the Secretary of the Society dated October 27 and enclosures were considered. There was a general expression of opinion that it was very necessary that the matters at issue should be determined with the least possible delay lest vital interests should suffer through the uncertainty of the present situation. There was also expressed a

strong disinclination to enter upon a tedious and costly litigation in the High Courts, the Chairman stating that on no consideration would he be a party to such a costly procedure. The Chairman of the Executive suggested as an alternative that instead of seeking to reach a settlement by procedure in the High Courts as specified in the agreement come to on July 4, parties might agree to prepare a joint memorial to be submitted to a legal arbiter mutually chosen under an agreement to accept the arbiter's decision as a formal settlement of the matters at issue. This suggestion was accepted by the Executive, and it was decided to send it up to the Council as a recommendation. With reference to the question of delay referred to in the letter, the Secretary pointed out that he submitted indirectly copies of his letters to the Society's solicitors, and he thought these afforded satisfaction that there was not the least desire on the part of the Council or any one in London to cause the least delay. On the contrary, they had done all they could to induce the solicitors to facilitate proceedings. The position stood in this way: an agreement was arrived at between the Council's representatives and those of the Scottish Federation, and that agreement was subsequently confirmed by the Council. Roughly, it was that the points at issue, namely, whether the Society could perform all the functions which could be performed by the Scottish Federation should be made the subject of a legal decision, and it was agreed that a case should be stated. At that time he had the hope that it would have been possible by what he called a special case to have got a decision much more rapidly than by an ordinary action, but the Council seemed to have come to the conclusion, as he understood it, that the matter was one which could not be dealt with by a special case, and that it would be necessary for them to be parties to the case. The Scottish Federation might nominally get some one to act as a party on their behalf, and that undoubtedly did increase the delay. That might be the reason whereby, apparently, the Scottish Federation had now agreed to the letter in which the Executive in Scotland made the fresh proposal that the Council should abandon the case and submit it to an arbiter mutually chosen under an agreement. He had only to say that if a High Court decision was given it would settle the points for all time, and it would prevent the Society taking up work in the future which the Scottish Federation might be doing. In that case there would be a legal decision, but if the case were submitted to an arbiter nothing which he might decide would be binding either on future Federations or on future Councils of the Society, so that there might be no finality. The other point was that there might be members of the Society who would wish the Council to take the view that the Society ought to do certain things, and unless the Council were in a position to say that the Society could not legally do it, these members might feel that they had a grievance. It was obviously quite open to the Council to agree with the Federation to abandon the proceedings to secure a High Court decision and to have the points settled by means of a voluntary arbitration.

Mr. WOLFF asked whether the Scottish Federation had sent a letter intimating their desire to break away from the agreement entered into with them.

The PRESIDENT: I have not seen it.

Mr. WOLFF: Well, I have seen a carbon copy of the letter sent to you.

The SECRETARY: To whom was it addressed?

Mr. WOLFF: To the President and Council of the Society.

The SECRETARY: You can help me by saying what the letter contained.

Mr. WOLFF: What I remember of it was that failing to get an answer within ten days the Federation would call the agreement off. Has that letter reached you?

The PRESIDENT: I have not heard of it, nor have I any knowledge of the existence of such a letter.

The Secretary asked the Assistant Secretary if any letter had been received from the Scottish Federation, and was answered in the negative.

At this point the Secretary read some correspondence. The Council meanwhile sitting in private.

Mr. GUTHRIE remarked that the Council could not discuss the matters at issue too fully in the open. Let the Council, he said, let everyone know what was being done, and things would be done more quickly in that way. The position was somewhat like this: They were really in rather a disagreeable situation in Scotland from the point of view of the organisation of their members, and they found that certain things were being held up owing to the situation which exists between the Federation and the Society. A meeting was held in July, when a certain course of action was agreed to, on the understanding, at least in the expectation, that a decision would be arrived at in the way suggested within a reasonably short time. On that occasion Sir William Glyn-Jones quite rightly said that if they put the matter into court they could not say when it would be settled, but he also expressed the opinion that six months would see the end of the thing. Four months had now elapsed, and the points to be submitted to court had not been prepared, or even the first steps taken between the two parties to the case. Now the new suggestion came from London that a course of litigation must be entered upon, of which no one could see the end, either in time or in expense. Members of the Scottish Federation and members of the Society who were not members of that organisation were averse to any course of that kind. They did not want their time or their money unnecessarily wasted in the law courts, but they did want to get a decision which would be of some practical and guiding value. The suggestion was brought forward by the Chairman of the Executive in Edinburgh, who happened also to be President of the Scottish Federation, that reference of the case to arbitration might possibly prove a way out of the difficulty, but in Scotland they were rather dubious as to whether it would be a final way out. But the position really arrived at now was that the arrangement or agreement entered into between the Federation and the Council had broken through owing to no fault of either party. It was now found that the decision which they hoped to get by the means suggested could not be secured, and that they had simply to begin things over again. It was for the Council and for the Federation, he took it, to agree on some other course. If they thought the arbitration plan would fit the case well and good, the case had to be dealt with anyhow, but he did not think the Council had any desire to enter into a long litigation, and he was sure the Scottish Federation had no such desire.

Mr. WOLFF stated that he had just returned from Scotland, after spending half a day with Mr. Millar Thompson, the solicitor for the Scottish Federation. As far as he could gather, the agreement between that body and the Council did not exist at that moment, the period of ten days referred to in the letter sent to the Society which had been sent from Edinburgh having expired.

The SECRETARY: He says not. No such letter has reached us.

Mr. WOLFF: I make the statement that they sent a letter asking an answer, and stating that unless they got it within ten days the agreement would be off. That period having lapsed, the men of Scotland whom I have just left feel that they are as they were before the Conference.

Mr. GUTHRIE: I have come from Scotland more recently than Mr. Wolff, and I know that is not the case.

Mr. WOLFF said that Mr. Millar Thompson had put one specific question in his correspondence with Mr. Quarrell, the Society's solicitor, and it was because he had not had that question answered that the present position had arisen. As a matter of fact, Mr. Thompson maintained that the court had no power to answer a question in a case under a Royal Charter, and that the only way to deal with the matter was to call upon the Attorney-General to object to the Society holding the Charter and taking on certain work. The view was that the effect of a decision in such an instance would be to put the Scottish Federation in the position of having

lost its case on a technical point. Seeing the long delay that had taken place, the Scottish Federation desired to approach the case in some other way.

The SECRETARY remarked that he did not know whose fault it was that the delay was taking place, but he should have thought that if both solicitors had been desirous of getting a decision quickly they would not have wanted lay people to tell them how it was to be done. His own suggestion was that on a matter of vital importance, involving as it did most of the root foundations of the Society, the question of expense should not stand in the way of a decision being obtained. The real thing seemed to be that the solicitors, who were expected to secure a decision as early as possible, were at loggerheads.

Mr. SKINNER did not blame the Scottish Federation, for if he himself were a Scottish Federationist he would turn down the agreement, for he would not land himself in the expense which a long case involved.

Mr. PARRY asked whether, in the event of a case going to court, the Scottish Federation would pay their own expenses.

The SECRETARY: If it were a case where they put forward a plaintiff in order to get a legal decision they would bear part of the expenses.

Mr. WOLFF: On a point of order. I have been asked to stand as Secretary of the English Federation, and I am entitled to obtain what information I can.

The PRESIDENT: It is an unfortunate position, to my mind, that any member of this Council can get, as it were, at the back of the counsel we are employing. It means that the counsel here will refuse to act for us if that is going to be permitted. I cannot understand any member of this Council doing such a thing, whether he is Secretary of a proposed English Federation or not.

Mr. WOLFF: It is not contentious.

The PRESIDENT: I am certainly disappointed.

Mr. WOLFF: It is a case of wanting the Council to know the root cause of the trouble. The solicitors of the Scottish Federation are of opinion that even if you have a plaintiff-case the court will have no power to come to a decision because—

The PRESIDENT: Why, then, did they agree to this being done?

Mr. WOLFF: Because they did not then know what they know now. They do not want to go into a blind alley, but to get a decision quickly.

The SECRETARY thought that, in fairness to Mr. Quarrell, the Society's solicitor, he must say that it was rather hard upon him that attacks made upon him by his opponent in Scotland should be dealt with publicly.

Mr. WHITE remarked that if the case were only to cost two or three hundred pounds they should not hesitate in incurring the expense if a final decision could be secured; but if it were to be a second *Jarndyce v. Jarndyce* case they had better bury the hatchet and carry on as well as they could.

The SECRETARY suggested as a practical way out of the difficulty that the Council should ask both solicitors to give them a joint report by next meeting first, as to the probable time which they thought it would take, and the probable expense of obtaining a decision in a case, and also that in the meantime, in order to avoid further delay, they should prepare a minute of the terms of reference they both agreed should go before an arbitrator, if the Council decided to refer the case to arbitration. The Council might then be in a position to decide at the next meeting whether to proceed with the case. If they decided not to proceed, the solicitors could then get on with the work of coming to an agreement with reference to the terms to be submitted to arbitration.

After some further suggestions the Council agreed to the Secretary's suggestion.

SHOP AND DISPENSARY TRAINING.

At this point of the proceedings the Council received a deputation organised by the London Group of the National Association of Women Pharmacists and the Public Pharmacists' Association on the question of the shop training specified as essential under the new regulations. It con-

sisted of Miss Gilliatt and Messrs. Lindsey and Gibson. Before they entered the Council Chamber it was agreed, on the suggestion of the President, that the Council should hear their views, but should not discuss with them the points at issue.

The PRESIDENT, in welcoming the deputation, congratulated Miss Gilliatt on her election to the Fulham Borough Council.

Miss GILLIATT, who first addressed the Council, stated that she represented the London Group of the National Association of Women Pharmacists, and that she should have been accompanied by Mrs. Frith. Proceeding, she stated that in a recent issue of the official organ of the Society, in which the regulations relative to the Qualifying examinations conducted by the Society were published, it was stated that members of the Society would have an opportunity of reading and critically examining them. The point the deputation desired to put before the Council was that by the regulations it was provided that in future all candidates for the Qualifying examination must have spent the whole period of their training in open shop—that was to say, the whole of the 4,000 hours which must compulsorily be devoted to training before being permitted to sit for them. Her Association desired the Council to reconsider this regulation, because they agreed that, while some part of the period of training should be spent in open shop, they thought that it should be optional whether the remainder of the time should be spent in shop or hospital dispensary so long as the period was spent under the tuition of a registered pharmacist. One of the reasons put forward by her Association in support of this view was that they had a vested interest in the matter, that a man or woman pharmacist working in a public institution ought not to have taken away from them the right to train the men or women pharmacists of the future. They further considered that in public pharmacies up and down the country they were able to give adequate training in pharmacy except in that one part of the curriculum which related to the keeping, selling, and dispensing of poisons and poisonous substances in open shop. The other larger and more important parts of the curriculum, they considered, could be taught, and people could learn and gain valuable experience regarding them, in the dispensaries of the country. On account of the activities of the Ministry of Health the practice of pharmacy in public institutions was in a very critical condition, and for that reason they felt that the action of the Society in this particular matter and at this moment was very much to be regretted. She reminded the Council that the Ministry of Health has, under the Act establishing it, power to train persons for health services. At present girls of eighteen were being taken and trained as health visitors at the Battersea Polytechnic. After a two years' academic course they were promised an engagement as health visitors at 2*l.* a week. If the Ministry was acting in this way with one of its health services there was no reason to suppose that it would not act in the same way with regard to other services under its control. Concluding, Miss Gilliatt pointed out the regulations were rectified a few days after members were invited to examine them critically. She had spoken to several retailers on the subject, and one and all of them agreed that hospital training was very valuable indeed.

Mr. LINDSAY, in supporting Miss Gilliatt, said that the future development of the Ministry of Health would necessitate very much increased hospital accommodation for State-insured persons. The actual corollary of that should be an efficient pharmacy service in connection with them, under the control of pharmacists. His association contended that to debar such pharmacists from training people in pharmacy would be a retrograde step.

Mr. GIBSON, in the course of a few observations, referred to the original Charter of the Society, and said that it indicated that their leaders of earlier days thought pharmacy meant something more than actual open shop. He emphasised the view expressed by Miss Gilliatt, that his own and similar bodies could not now urge public and other bodies to appoint pharmacists as dispensers. If the present regulation was adhered

to, he and others in a similar position who might get 50% for training apothecaries' assistants would go on training them, but if the Council allowed them to train them as pharmacists then they should not take pupils unless they were registered with the Society.

Miss GILLIATT, having thanked the Council for receiving them, the deputation withdrew.

The PRESIDENT said the deputation had not impressed him very forcibly with their arguments. As a matter of fact he had learned nothing from the statements of those who had spoken.

It was agreed that the whole subject should be referred to the Ministry of Health and the School Committees.

THE ADVISORY COMMITTEE.

The SECRETARY read a letter from Sir Almeric Fitzroy, Clerk to the Privy Council, enclosing letters of complaint from two persons employed in institutions who desired to avail themselves of the opportunity of being registered under the new by-law, and inviting the views of the Council thereon. He suggested that the communications be referred to the Advisory Committee.

Mr. SKINNER asked what was the relationship of the Advisory Committee to the Council.

The SECRETARY stated that as a result of the representations put forward at the meeting of members appointed to consider the new by-law the Council asked the public pharmacists to send representatives who could act as an advisory Committee, so that the Council might have the advantage of the advice of the public pharmacists of the country.

After a brief discussion, the letters were referred to the Ministry of Health Committee.

PHARMACY IN SOUTH AFRICA.

A letter was read from the Secretary of the Colonial Pharmacy Board, Cape Town Province, Union of South Africa, of date August 16, stating that at a meeting of the Board held on August 14 he was directed to inform the Council that the question had been raised as to there apparently being no provision in the Society's regulations for the acceptance of qualifying examination certificates granted by that Board for the purpose of registering chemists and druggists holding such certificates in Great Britain without further examination. The attention of the Society was directed to the fact that the Medical and Pharmacy Act of the Cape of Good Hope (1891) specifically provided under Section 25:

Any person who holds a certificate or diploma of competency as a pharmaceutical chemist or a chemist and druggist from the Pharmaceutical Society of Great Britain, or from any College, Society, or Board recognised by the Board under such regulations made, approved, and published as aforesaid, may, if otherwise complying with the provisions of this Act and with such regulations, without further examination obtain a license of admission to practise as a chemist.

The Secretary of the Board asked whether the Society would be prepared to favourably consider making the necessary provision in its regulations or by-laws to give similar recognition to the examination certificates granted by the Colonial Pharmacy Board.

It was resolved to refer the letter to the Library, Museum, School, and House Committee.

CORRESPONDENCE.

A letter was read from the Conjoint Board of Scientific Societies, enclosing a report of the Patent Laws Committee.

A letter was read from the Ministry of Labour regarding the scheme of apprenticeship for the distributive trades (see *C. & D.*, August 16, p. 66). The scheme is at present confined to Luton, and is intended to apply solely to trades associated with distribution. The chemists were included chiefly to bring in those assistants engaged in the sale of fancy goods, perfumery, etc., and it was not intended to include dispensing chemists.

FINANCE COMMITTEE.

The financial statement submitted by the Finance Committee showed that receipts of the general fund since the last meeting, including a balance of 732*l.* 8*s.* 1*d.*, amounted to 2,946*l.* 8*s.* 1*d.*, and included the following

items: Penalties and costs, 26*l.*; "Journal" and publications, 32*l.* 1*s.* 5*d.*; registration fees, 693*l.*; restoration fees, 6*l.* 6*s.*; interest on deposit account, 19*s.* 8*d.*; subscriptions, 222*l.* 12*s.*; examination fees, 31*l.* 10*s.*; Pharmaceutical Committees, 18*l.* 14*s.*; school fees, 1,819*l.*; and ground rent, 96*l.* 5*s.* Payments ordered at last meeting amounted to 2,198*l.* 1*s.* 5*d.*, leaving a balance of 1,471*l.* 14*s.* 9*d.* The other balances were: Benevolent Fund (current account), 184*l.* 4*s.*; Benevolent Fund (donation account), 80*l.* 13*s.* 7*d.*; War Auxiliary Benevolent Fund, 2,380*l.* 10*s.* 8*d.*; and Orphan Fund, 184*l.* 4*s.* 3*d.*

The report of the Committee recommended payment of accounts amounting to 4,050*l.* 18*s.* 4*d.* The accounts, with the report, were unanimously adopted.

ELECTION OF EXAMINERS.

The following examiners were elected for the ensuing year for England and Wales:

Mr. C. E. Allen (London); Mr. Horace Finemore (London); Mr. F. W. Gamble (London); Mr. W. F. Gulliver (London); Mr. J. T. Humphrey (London); Mr. H. J. Kluge (London); Mr. E. Saville Peck (Cambridge); Mr. John W. Peck (London); Mr. R. W. Phillips (Bangor); Mr. John E. Purvis (Cambridge); Mr. W. F. J. Shephard (Chester); Mr. H. L. Smith (London); Mr. A. L. Taylor (Bristol); and Mr. Thomas Tickle (Exeter).

LOCAL ASSOCIATIONS COMMITTEE.

There were three reports by the Local Associations Executive. For the most part the recommendations they contained were discussed in private.

The meeting was adjourned at one o'clock, and on resuming an hour and a quarter later, consideration of the L.A.E. reports was resumed.

LIBRARY, MUSEUM, AND SCHOOL COMMITTEE.

The report of the Library, Museum, and School Committee expressed the opinion that the time had arrived when the concession as to the registration of students without evidence of having passed the necessary preliminary examination should be confined to ex-Service men, and recommended that no application for exemption from the preliminary examination under provisions authorised by the resolution passed on October 23, 1918, which is received later than December 31 next could be considered unless in the case of Service men not then demobilised. The Secretary was instructed to inform applicants for exemption from the preliminary examinations who are still serving with the Colours that their applications could not be submitted until they had been demobilised, and that the Council would expect to be satisfied that during their service they had made the fullest possible use of any facilities for training in the subjects of the preliminary examination which had been afforded by the authorities. It was reported that the Society had received from the Grants Committee of the Ministry of Labour intimation of grants to 1,086 ex-Service students. Of these 1,003 were for a nine months' and 83 for a six months' course. The report from the Aberdeen Pharmaceutical Association stated that Mr. Wm. Murison had been the successful candidate at the recent examination held for the Petrie Bursary. It was recommended that the Christmas vacation should be for the usual eighteen days, and that the school close on Friday, December 19, and reopen on Tuesday, January 6. The report was unanimously adopted.

HARRISON MEMORIAL.

It was unanimously resolved that the President be authorised to appeal for subscriptions for the Harrison Memorial.

This was all the public business, the Council having sat for seven hours.

The Society of Trained Masseuses and the Institute of Massage and Remedial Gymnastics have applied for a Royal Charter incorporating the two bodies under the title "The Chartered Society of Massage and Medical Gymnastics."

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

QUALITATIVE ANALYSIS.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, November 11, on which day the samples will be posted. Students' reports will be received up to Saturday, November 22. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the opening exercise in

THE ANALYTICAL TOURNAMENT

for the current winter session. Students may forward six stamped addressed envelopes (marked on the top "Corner for Students"), to be utilised month by month for the "salts." We offer special certificates and prizes for the best series of reports submitted on the exercises to be set from November 1919 to April 1920 inclusive. The awards will be made to the students who obtain the highest aggregates of marks for their reports upon the whole six exercises, and will comprise:

First Prize.—Certificate of honour and books to the value of two guineas.

Second Prize.—Certificate of honour and books to the value of one guinea.

Third Prize.—Certificate of honour and books to the value of half a guinea.

The competition is open to all pharmacy students who have not passed the Major examination in Great Britain or the Licence examination in Ireland. Former tournament prize-winners are disqualified from taking a tournament prize, unless it be a superior one to that previously gained. Besides the tournament prizes, the usual monthly awards will be made to junior students, viz.:

First Prize.—Books to the value of 10s. or thereabouts.

Second Prize.—Books to the value of 5s. or thereabouts.

These monthly prizes will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports*. Students who adopt a *nom de plume* must adhere to it throughout the tournament.

Report on the October Analytical Exercise.

The powder distributed to students on October 7 contained one part by weight of lead sulphate, five parts of zinc sulphate, and four parts of magnesium sulphate. The calculated composition of such a mixture is:

Pb	...	...	...	68
Zn	...	...	...	11.4
Mg	...	...	...	4.0
SO ₄	...	...	...	35.4
H ₂ O	...	...	...	42.4
				100.0

The powder also contained, as impurities, manganese and ammonium in small proportion, and recognisable traces of iron and of the hydrochloric acid radical.

Samples of the powder were distributed to thirty students, and seventeen reports were forwarded for examination. The detection of the sulphuric acid radical was reported in every case, but lead was missed by eleven students, zinc by one, and magnesium by seven. The manganese present as impurity was overlooked in nine cases, while seven students failed to report the abundant evolution of water when the powder was heated in a dry test-tube.

As a preliminary to the forthcoming tournament series of exercises, this analysis was of a comparatively simple description, yet certain points served as distinctly effective tests alike of the proficiency and of the care of the various competitors. If there is one matter which is dealt with in this column more frequently and probably more fully than any other it is that of the risk of lead not being precipitated, or of its being only very incompletely precipitated, by hydrogen sulphide in acid solutions, as a consequence of these solutions containing too large a proportion of free acid. In the present analysis the powder dissolved easily and completely when heated with moderately dilute hydrochloric acid. When the solution cooled, the separation of a white precipitate took place in a few cases, and this precipitate gave characteristic reactions for lead. In most cases, however, this precipitate was not observed, and perhaps it may not have separated. The passing of hydrogen sulphide into the acid solution should have yielded a distinct precipitate of lead sulphide if due precaution had been taken greatly to diminish the concentration of the acid present either by partially neutralising the latter, by boiling some of it off, or by diluting with water; but where this precaution was not observed the lead as a rule remained entirely in solution, and only made its appearance at some later stage, there to be mistaken for aluminium or some other metal. This happened in the case of one particular group of students, who apparently worked in tolerably close collaboration, and who all uniformly reported lead to be absent. Several quite independent workers also reported in the same sense. The proportion of lead present was not small, and more carefully directed effort should at any rate have ensured its detection, even although its quite complete separation may, at times, be a matter of some difficulty.

The proportion of manganese present was very small, but such is the ease with which even minute traces of this metal can be detected that it ought not to have been overlooked, and consequently failure to detect it—usually due to omission to apply any delicate test for its presence in small quantity—was regarded as a somewhat serious flaw.

Impure sodium carbonate again seems to have been responsible for numerous reports of a chloride being present as a main constituent of the powder, whereas only a minute trace of a chloride was really present. Curdy precipitates with silver nitrate reported in several cases as due to a chloride did not coincide with the exceedingly faint turbidity produced when this reagent was employed in conjunction with other reagents which were free from chlorides.

PRIZES.

The first prize for the best analysis has been awarded to

ELIZABETH SIM, Cemetery Lodge, Kelso.

The second prize has been awarded to

JAMES LEITCH, Birgham Schoolhouse, Coldstream

First Prize.—Any scientific book that is published at a price not greatly exceeding half-a-guinea may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about five shillings may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

MARKS AWARDED FOR ANALYSES.

E. Sim (1st Prize) ...	93	Elephants ...	58
J. Leitch (2nd Prize) ...	91	Scopolamine ...	58
Ferrum ...	87	Benzaldehyde ...	56
(x+y) ² ...	79	Silver ...	55
J. B. R. ...	67	Snowball ...	54
A. Z. ...	66	Dorema ...	46
M. E. Z. ...	66	Ashes ...	45
Trix ...	63	Dilly ...	43
T. E. P. ...	59		

TO CORRESPONDENTS.

E. SIM and J. LEITCH.—The trace of chloride present was too faint to afford a recognisable quantity of chlorine by interaction with concentrated sulphuric acid and manganese peroxide. Make a careful blank test to ascertain that the latter substance does not contain some chloride as impurity. Also examine the sodium carbonate employed in the systematic testing for acid radicals for the presence of chloride. You were the only competitors who detected the traces both of manganese and of ammonium.

FERRUM.—Note that the test which you adduce as confirming the presence of a sulphate would have given the same result had sulphur been present in the powder either uncombined or in any form of combination other than as sulphate.

(x+y)².—It is not usually possible to recognise with any degree of certainty, by qualitative methods, the presence of an oxide in a complex mixture, and in any case it is inaccurate to describe "oxide" as an acid radical. Your failure, along with various other correspondents, to detect lead apparently points to insufficiently delicate treatment of the original acid solution of the powder. Regarding this, see the general remarks.

J. B. R.—The precipitate which you supposed to indicate the presence of aluminium was almost certainly due to incompletely separated lead. The reaction which led you to report a chlorate may have been due to chlorido present as impurity in the sodium carbonate.

T. E. P.—It was a somewhat misguided proceeding deliberately to neglect a precipitate which you (quite correctly) assumed to be probably due to lead. Had you followed up the matter you might possibly have established the presence of lead without difficulty.

ELEPHANS.—The powder did not contain potassium. The flame coloration which led you to conclude that it did was due to lead.

BENZALDEHYDE.—Boiling a solution which is saturated with hydrogen sulphide drives out this gas without, however, decomposing it, but slight oxidation occurs when air has free access. Your preliminary examination was very meagre.

SILVER.—Your report is far from accurate that the powder underwent "no change" when heated in a dry tube. Try the effect of this treatment upon either zinc sulphate or magnesium sulphate alone. Consider the probability of a nitric-acid solution of a substance giving a precipitate with silver nitrate and of a neutral solution of the same substance failing to give such a precipitate.

SNOWBALL.—You submit a very neat, but, unfortunately, a rather inaccurate report. Most of its shortcomings are referred to in the general remarks or in the replies to other correspondents, both of which read.

DOREMA.—The fumes given off when the powder was heated with sulphuric acid were simply those arising from this reagent.

ASHES and DILLY.—See the last sentence of the reply to "Silver."

Wills.

MR. JOHN ALFRED MASON, 67 Princes Avenue, Hull, of Mason & Booth, Ltd., chemists, who died on June 5, has left 45*l.* 5*s.*

ALDERMAN JOHN SLATER, chemist, Prospect Villa, Infirmary Road, Blackburn, who died on July 23, has left property of the value of 21,132*l.* 17*s.* 6*d.*, the net personality being 13,835*l.* 10*s.* 11*d.*

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

- (From "The Trade-marks Journal," October 22, 1919.)
- "ANTI-CEMENTITE"; for chemical case-hardening compounds (1). By S. H. Morden & Co., Ltd., 18 Dartmouth Street, Westminster, S.W. 1. 390,951.
- Device of hand holding grenade; for chemicals (1). By W. Mills, 192 Bridge Street West, Birmingham. 391,761.
- "KREPENDAR"; for all goods (1). By T. Bishop, 317 High Holborn, London, W.C. 1. 393,172.
- Figure of man with body composed of letters "N N"; for all goods (1, 42, and 47), and for polishes, etc. (50). By Nicholson's (Newcastle-on-Tyne), Ltd., St. Ann's Chemical Works, Heaton Junction, Newcastle-on-Tyne, E. 394,145/6/7/8. (Associated.)
- "SAMSON"; for all goods (1). By Best & Co., 32 Great St. Helens, London, E.C. 3. 394,375.
- "SOPHOS" on shield device; for cleansing fluids (2). By W. Hill, 8 Watson Street, Glasgow. 390,150. (Associated.)
- "REMIDINE"; for veterinary preparations (2). By S. H. Cousins and F. B. Hills, 1 Mornington Road, Chingford, E. 4. 394,167.
- "FELO-DE-RAT" and "RAMI"; for chemicals (2). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 394,905/6.
- "KAFFAS BRAND NEURALGIA and HEADACHE TABLETS"; for neuralgia and headache tablets (3). By Axon & Harrison, 17 Regent Street, Rugby. 392,372.
- "ROFLER"; for medicines (5). By W. V. Langley, 15 Blenheim Gardens, Cricklewood, London, N.W. 2. 392,862.
- "WIZWOZ BRAND"; for medicinal chemicals (3). By J. O. Hough, The Laboratory, Alcester Road, Studley, Warwickshire. 393,273. (Associated.)
- "OXYMALT"; for medicinal chemicals (3). By Murphy & Son, Ltd., 2 Dorset Square, London, N.W. 1. 393,402. (Associated.)
- "MUCOSOL BRAND LOTIONS"; for lotions, etc. (3). By W. Hewison, 104 High Holborn, London, W.C. 1. 395,720.
- "LA-FATIE BRAND OINTMENT"; for ointment (3). By the S.U.A. Manufacturing Co., 62 Downing Street, Manchester. 393,995.
- "NITONA" and "LUXURIA"; for photographic paper (39). By Paget Prize Plate Co., Ltd., 132 St. Alban's Road, Watford. 384,284/5.
- "FRUITADE"; for all goods (42). By the Welch Grape Juice Co., corner of Main and South Pirtage Streets, Westfield, New York, U.S.A. 392,577.
- "MIFRU"; for beverages (42). By Idris & Co., Ltd., 120 Pratt Street, Camden Town, London, N.W. 1. 393,728.
- "AMBROSIA"; for mineral waters, etc. (44). By Batey & Co., Ltd., 216 Kingsland Road, London, E. 2. 394,466.
- "OBELISK BRAND" on device of obelisk; for goods (47). By the United Soap Co., Ltd., 8 Lloyd's Avenue, London, E.C. 3. 394,141.
- "SHANDA"; for toilet preparations (48). By J. N. Aitken, 135 Atwood Road, Didsbury, Lancs. 389,791.
- "SIL-CHELL"; for perfumery, etc. (48). By W. F. Setchell, 65 Alderson Road, Sheffield. 393,512.
- "AUXOLIN"; for perfumery, etc. (48). By Karlsruher Parfumerie und Toilette-seifen-Fabrik F. Wolff & Sohn, Durlacher Allée, 31, Karlsruhe, Germany. 393,756.
- "REVERIE"; for all goods (48). By P. Tensfeldt, Pinehill, Balerno, Midlothian. 393,793.
- "ZORAIDA"; for toilet articles (48). By Freese & Moon, Ltd., 59 Bermondsey Street, London, S.E. 1. 394,332.
- "PIGMENTED FINISHING MATERIAL" and cross device; for dopes for textiles (50). By the British Emalline Co., Ltd., 30 Regent Street, London, S.W. 1. 392,67. (Associated.)
- "KROOBOY" and "GANNET"; for polishes (50). By J. D. Tipping, Ltd., 24 Swallow Street, Hillgate, Stockport. 393,509/515.
- "AMCO"; for polishes (50). By American Commerce Co., Ltd., 19 St. Bride Street, London, E.C. 4. 394,474.
- "RAYNOL"; for a glass-obscuring preventive (50). By Thomas, Gray & Co., 199 Strand, London, W.C. 2. 394,550.

THE "London Gazette" of October 28 contains the statutory notice amending the list of degrees that may be granted by the University of London. The addition is the degree of Doctor of Philosophy.

Trade Report.

42 Cannon Street, E.C. 4, Nov. 6.

THERE is not much business passing this week—outside company promoting—although many articles are appreciably dearer. The speculation in lemon oil taking place in Sicily has not had much response here, although fairish quantities have been sold at from 5s. 9d. to 7s. The Sicilian situation does not inspire confidence, and the report on page 72 will be read with interest.

Menthol and Japanese mint oil continue to advance. Senega is extremely scarce and dearer; camphor slabs are also higher in price, whilst honey does not seem to be neglected, and the market position is healthy and interesting. The labour troubles in U.S.A. are almost bound to affect prices by delaying shipments. Vera Cruz sarsaparilla seems quite off the market. Caraway-seed are being freely offered and lower. The market for Turkish produce may be described as strong at present; prices improving, and there is a tendency towards further increases.

Higher	Firmer	Easier	Lower
Acetanilide	Cloves	Chamomiles	Amidol
Acetyl salicylic acid	Eucalyptus oil	Dandelion	Caraway-seed (Dutch)
Camphor (slabs)	Farina	Peru balsam	Cascara
Canary-seed	Formaldehyde	Phenacetin	Hydroquinone
Cassia oil	Honey	Rhapontica (English)	Juniper-berries
Galls	Nux vomica		
Hexamine	Senna (Tinn.)		
Lemon oil	Tolu balsam		
Menthol	Vanillin		
Mercury			
Mint oil (Jap.)			
Resorcin			

Cablegram.

NEW YORK, November 5.—Business is active. Mercury is higher at \$97 per bottle. Phenacetin has advanced to \$2.50 and antipyrin to \$5.00. Formaldehyde is dearer at 24c. per lb., and vanillin at 85c. per oz. Codeine sulphate has advanced to \$9.10 per oz., acetanilide to 50c. per lb., methyl salicylate to 70c. per lb., and menthol to \$10.45. Mandrake (podophyllin) root is higher at 30c., and buchu, which is in short supply, is increased to \$2.20.

ACETANILIDE continues firm, from 3s. to 3s. 3d. being quoted for spot.

ACETIC ACID is firmer on the basis of 70l. per ton spot for 80-per-cent. pure in casks.

AGAR-AGAR is quiet, with sellers of No. 1 Kobe strip at 2s. 10d. and No. 2 Yokohama at 2s. 8d. per lb. The exports from Japan during July amounted to 81,133 kin, valued at 111,938 yen. During the seven months ended July 31 they were as follows:

To	1917 Kin	1918 Kin	1919 Kin
China ...	606,753	134,422	269,880
Hong-Kong ...	242,835	112,690	225,211
British India ...	41,911	17,743	25,447
Straits Settlements	88,897	49,581	80,998
Dutch India ...	165,131	217,874	182,543
Philippine Islands	29,008	18,175	21,223
Great Britain ...	72,020	1,556,644	49,010
United States ...	215,160	89,926	116,383
Other Countries ...	158,794	77,833	85,615
Kin... ..	1,620,509	2,274,888	1,055,590
Yen... ..	1,482,112	2,490,832	1,382,097

AMERICAN DRUGS are quoted as follows per lb.: bayberry bark, 2s.; black haw, 3s. 3d.; cotton root, 2s. 9d.; euonymus, 3s. 9d.; pinus, 1s. 9d.; sassafras-root bark, 3s. 3d.; wild cherry, 1s. 4d.; witch hazel, 9d.; damiana-leaves, 1s. 3d.; kava-kava root, 1s. 8d.

AMIDOL is easier, British-made being obtainable at 15s. per lb.

ANTIMONY.—The tendency has been quite strong, stiffer terms being asked for shipment of regulus from Japan or China at fully 45l. c.i.f. home ports, while cables from China quote as high as 55l. The demand, however, is running chiefly on metal already available in this country, and the price for Government stuff is firmly held at the advance of 2l. 10s. enforced last week at 4l. 10s. a ton. There is little crude to be got at 36l. on the spot, terms for shipment being 37l. to 40l. c.i.f. There is still some German inquiry for regulus. The Government stocks were reduced only by 86 tons last month to 3,300 tons, and the deliveries were since rather held up by strike troubles. Advances from China state that owing to the lack of crude metal smelters' operations have fallen off to a low ebb. There is not much prospect of a revival of the industry for some time, while cost of production is much higher.

ARSENIC.—The market shows some irregularity, but the undertone seems firm, holders of white Cornish having booked orders lately near 60l. a ton delivered London, the supply of this description being light. Considerable interest has been aroused by a recent arrival of about 320 tons of Grecian arsenic, the handling of which is in the hands of the producers' agents here. This material is believed to be of satisfactory quality, but it will probably be found that the great bulk of it has already been sold, although it is possible that some resales may ensue. The quotation mentioned for Grecian is about 55l. to 56l. a ton. This material is obtained as a by-product. Curiously enough, an American inquiry has been reported in this market, in spite of the reports some time ago that the American production showed a big increase last year.

CAMPHOR.—Japanese slabs are dearer at 17s. 9d., and a parcel of eighty to the pound, in transit, is offered at 15s. 9d. to 16s. c.i.f. From stock in London 17s. 6d. to 17s. 9d. is being asked for refined 2½-lb. slabs.

CAMPHOR OIL.—Japanese white essential is offering at 120s. for white or brown on the spot. The exports from Japan during July amounted to 154,967 kin, valued at 32,826 yen. During the seven months ended July 31 they were as follows:

Kin	1917	1918	1919
...	1,014,170	735,467	421,406
Yen	187,700	149,673	99,070

CANARY-SEED has again advanced in price owing to a continued steady demand. For good Morocco 190s. per quarter has been paid, and holders are reserved.

CARAWAY-SEED seem plentiful at 55s.

CASCARA SAGRADA seems a shade lower, new bark is quoted 92s. 6d. c.i.f., in lots of not less than 5 to 10 tons, from New York, and 2-3 year old bark on the spot 112s. 6d. to 115s.

CASSIA FISTULA.—Good sound seems scarce, but slightly wormy can be had at 180s.

CASSIA OIL is dearer, 80 to 85 per cent. being offered at 9s., 70 to 75 per cent. 8s. 6d.

CHAMOMILES are offered more freely and are cheaper, new, white Belgian being quoted at 170s. to 180s., and old crop 140s. to 150s.

CITRIC ACID is steady at 4s. 3d.

CITRONELLA OIL.—Ceylon, usual testing, is higher at 2s. 4½d. in 10-cwt. drums.

CLOVE OIL.—English is quoted at 20s. in one direction.

CLOVES.—Zanzibar firmer. Spot sales were made for fair at 2s. 4½d. to 2s. 5d.

COD-LIVER OIL.—Norwegian medicinal oil is offering at 460s. per barrel (100 kilos.) for deliveries from stock. Forward deliveries are somewhat lower.

COPPER SULPHATE.—Despite the weaker feeling in metallic copper the tendency of sulphate has firmed up appreciably, the recent cheap sellers having raised their terms, current quotations for casks being about 42l. to 43l. f.o.b. Liverpool, less 5 per cent. As already stated last week, the export demand has been improving, and this should tend to diminish old accumulations in makers' hands.

DANDELION-ROOT is offered more cheaply at 78s.

ERGOT OF RYE.—The position is serious, as nothing seems to be available, and good prices would be paid to satisfy immediate wants. Spanish holders are asking from 19s. to 21s. for forward delivery, but it is hoped that supplies of Russian drug from Constantinople will shortly relieve the situation.—The *Tinto* has just arrived at London from Portugal with 58 bags.

EUCALYPTUS OIL is much dearer to come forward, spot 2s. 9d. to 3s., according to eucalyptol content.

FARINA is firmer. For Japan No. 1 39s. 6d. to 40s. spot was paid, November-January 38s., buyers c.i.f.; sweet, spot, 33s. to 31s. 6d. sellers c.i.f.

FENUGREEK-SEED is steady. Good business was done early in the week at 15s. per cwt. for fair Morocco.

FORMALDEHYDE is still scarce; from 165s. to 170s. per cwt. is being asked for 40 per cent. in casks.

GALLS.—A large business has been done on spot recently, and prices have sharply advanced. Persian blue are quoted at 150s. to 160s., supplies being small. Green are offered at 120s. to 130s.

GENTIAN has taken a turn for the better; small chumpy is quoted at 52s. 6d., selected 55s.

HEN-YOLK is firmer, with spot sales of Chinese at 150s. per cwt.; sellers ask 142s. 6d. afloat and for November-December shipment. Dried yolk has been sold at 1s. 9d. and sellers of November-December quote 1s. 8½d. c.i.f.

HEXAMINE.—Spot supplies are scarcer and from 6s. 6d. to 7s. per lb. is now being asked.

HONEY.—We understand several good-size parcels have lately gone into consumption; the increase in the price of sugar—with a probable further increase in the New Year—may give it a much-needed fillip. Latest advices are that it is being held at an advance of 7s. 6d. per cwt. on previous rates.

HYDROQUINONE commands 15s. to 16s. on the spot. For original bulk packages forward delivery, 12s. 6d. is being asked.

JALAP-ROOT is in demand and very scarce.

JUNIPER-BERRIES are cheaper at 36s. 6d.

LAVENDER OILS.—Business in French oils generally is firm, and prices are expected to advance. For finest-quality lavender 67s. is being asked, spike 15s. to 17s. 6d.

LEMON OIL.—The speculation taking place in Sicily has not put up prices a great deal, as a considerable quantity has changed hands at from 5s. 9d. to 7s. Prices asked vary according to the ideas of the seller, chiefly being from 7s. to 10s. (See also report from a Messina correspondent on page 72.) A limited quantity is now being offered at 6s. 3d.

MENTHOL continues to mount up, a few cases with tins rusty and labels partly destroyed are offered at 51s., but for sound packages 52s. 6d. is quoted.

METHYL SALICYLATE is firmer, and higher prices are asked this week, 4s. to 4s. 6d. being quoted.

METHYLSULPHONAL and **SULPHONAL**.—Limited supplies have arrived from abroad. The former is offering at 73s. to 75s., and the latter 65s. to 67s. 6d., according to quantity.

MILK-SUGAR is steady at from 2s. to 2s. 2d. per lb.

NUX VOMICA is in smaller supplies, and firmer. Good Cochín is offered at 45s. to 46s.

OILS, FIXED.—*Linseed* is firm at 93s. per cwt., net naked ex mills, and in Hull 87s., naked, is quoted. *Rape* is firmer at 97s. for crude and 102s. for refined. *Cotton* is firmer at 80s. for crude and 105s. for edible, net naked ex mill. *Chinese Wood* is unchanged at 122s. per cwt. on the spot and at 114s. c.i.f. to arrive. *Cochín Coconut* is 101s. c.i.f. for September-November shipment, *Ceylon* is 100s. c.i.f., and *Japanese* afloat is 94s. c.i.f. London. Home refined maximum fixed price is 110s. naked. *Lagos Palm* is dearer at 85s. 6d., and softs 85s. in Liverpool. *Soya* is 83s. c.i.f. in cases for September-October shipment. *Hankow* in barrels is 90s. c.i.f. for September-October shipment. Refined maximum fixed price is 110s. per cwt. naked.

OPIMUM.—For 1½ per cent. morphine content 20s. on the spot has been paid. In Persian opium for 10 per cent. material 55s. to 60s. for export orders only.

A Smyrna advice, dated October 11, states that "Our opium market keeps steady and active, with sales amounting

to 42 cases at same prices as last, ranging from 14s. to 20s., and morphine content from 9 per cent. to 12.1 per cent. This week's sales, we understand, are to be consigned to London and New York. Exchange has not altered from that of last week, quoted in our report of October 4. The arrivals to date are 725 cases, against 14 at the same date last year."

OXALIC ACID in casks is offered at 1s. 2½d.

PEPPER is quiet, with spot sales of *Black* Singapore at 11½d. to 1s. per lb., November-January shipment at 10½d. c.i.f., d.w., and January-March at 10½d. c.i.f. London. For *Lampung* on the spot 11d. was paid. *Tellicherry* has sellers at 1s. 2½d. and *Aleppy* at 11d. on the spot. *White* is firmer, with spot sales of *Muntok* up to 1s. 6½d.; to arrive *Muntok* afloat has been sold at 1s. 5½d., and November-January shipment at 1s. 4½d. c.i.f. Singapore has been sold at 1s. 5d. to 1s. 5½d. on the spot, and November-January shipments at 1s. 4d. to 1s. 4½d. c.i.f. London.

PERU BALSAM is easier at 17s.

PHENACETIN is weaker, the demand being somewhat slow. Spot offers are made at 16s. to 16s. 6d. per lb.

POTASH IODIDE.—The exports from Japan during July amounted to 6,885 kin, valued at 43,488 yen. During the seven months ended July 31 the shipments were as follows:

		1917	1918	1919
Kin	...	81,274	116,107	60,830
Yen	...	498,318	716,887	390,266

Of *crude iodine* 1,627 kin, valued at 12,340 yen, were exported during July, and the exports for the seven months ended July 31 were as follows:

		1917	1918	1919
Kin	...	15,025	46,431	15,341
Yen	...	121,768	289,415	101,493

QUICKSILVER.—There was a further advance in quicksilver of 5s. per bottle on October 31, and quotations, which were then ranging from 17l. 10s. to 17l. 15s., have since been fully maintained. There has been a good demand from day to day, fairly large lots from 100 to 150 bottles having been handled by dealers, a large portion of the business being for export to the Far East. At the worst of the fall in this market, some time back, it would appear that the New York price collapsed to as low as \$75 per flask, although a correspondent states that no quicksilver was available apparently anywhere near that figure. The fact, too, is interesting that, in contrast with the newspaper quotations, dealers in New York were actually able to secure \$102 per flask for spot lots. The latter are said to be very scarce, with buyers willing to pay the price asked at the time prior to the fall in London. This indicates the erratic state of the New York market.

QUININE.—The position generally remains unaltered, the demand for the sulphate and salts generally remaining very high. (See also p. 62.)

RESORCIN is in very short supply, as much as 25s. per lb. being asked for spot; but a price about 17s. 6d. would probably be entertained for forward delivery.

ROSEMARY OIL is offering at 9s. per lb.

SAFFRON is very firm and scarce.

SANDALWOOD OIL.—For English 48s. is being quoted.

SENEGAL-ROOT.—The market seems almost bare, and the 15 bales have sold within the past few days at 9s. per lb.

SENNA.—*Tinnevely* continues in good demand; any sort would fetch 7½d., small green leaf is quoted 8½d. to 9d., bold 1s. to 1s. 1d.

SQUILL.—Fair white is quoted on the spot at 60s.; brownish at 52s. 6d.

STAVESACRE-SEED is in good demand at 100s. spot, and 85s. forward in 5-ton lots.

SUGAR OF LEAD.—An increase in the price of this salt may be expected owing to the rise in price of raw materials. For spot 82l. 10s. per ton may still be entertained.

SULPHONAL.—See under METHYLSULPHONAL.

TARTARIC ACID is quiet at 3s. 3d. to 3s. 4d. for delivery in about three months, this price could be considerably shaded.

THEOBROMINE, PURE.—The principal Continental maker has advanced prices, and this may be due partly to the falling Dutch exchange. The price now asked is 50s. per lb.

TOLU BALSAM is in fair demand at 8s. per lb.

TRAGACANTH.—Supplies are coming in very slowly, and medical and fine qualities are practically unobtainable at present.

TURPENTINE is firm and active. Spot prices for America is 127s. 6d., November 127s. 3d. Futures are quoted 128s. 3d. (November-December) and 129s. 9d. (January-April 1920).

VANILLIN is firmer this week. The price quoted for second-hand is now ranging from 74s. to 77s. 6d. Makers' quotation at 80s. is unchanged.

WAX, BEES'.—Jamaica rough seems scarcer. Finer quality is offering at from 9l. 15s. to 11l. 12s. 6d.; East African 9l. **WAX, JAPAN,** is steady, offering at 87s. 6d. for spot.

WAX, VEGETABLE, is firmer, with buyers at 90s. on the spot. The exports from Japan during July amounted to 88,383 kin, valued at 43,942 yen. During the seven months ended July 31 they were as follows:

	1917	1918	1919
Kin	2,484,237	5,298,780	760,517
Yen	790,775	1,684,831	296,194

Messina Essential Oils.

The month of October (writes a Messina correspondent) was a period of exceptional activity for Sicilian essential oils. Orders for big and small lots came from many parts of the world, both for prompt shipment and for forward contracts for new crop. Germany, who it seemed would not have imported essential oils on account of the restrictive measures of its Government, has, however, also intervened with important contracts, and is more disposed to make large purchases, notwithstanding that the exchange is not favourable to her. The already reduced stocks of sweet and bitter orange and mandarin are now completely exhausted, and it is with an abnormal market situation that we are about to face the new crop situation, due to the nervousness created by the impossibility of meeting all the orders from abroad. The new production of lemon, bergamot, and orange oils is unfortunately ascertained to be scarce, and producers are unapproachable, nobody wishing to make engagements even at high prices on account of the general conviction that fantastical limits will be attained next winter. Of course the orders that will be forthcoming will have the last word in the matter, and we shall see whether producers are right or wrong in their surmises. At present the quotations for the very small quantities of these oils that can yet be found are as follows: Sweet orange, 16s. 8d.; bitter orange, 17s. 6d.; and mandarin, 50s. per lb. Although bergamot oil has not followed the others in their ascending courses it has still undergone a considerable increase, and the market both for prompt shipment and new crop, now at par, is in a state of nervous expectancy, ready to be influenced by foreign demands. The spot stock is considerably reduced, and it is calculated to be about 50,000 lb. The new crop is confirmed as normal, and the general impression is that this oil also will sooner or later reach higher limits, if only in sympathy with the cost of the other oils. Oil of lemon has also undergone a decided change for the better. In less than a month a considerable quantity has been exported, and the existing stocks are much reduced, the remainder being now in strong hands on account of the financial situation of the owners. The new crop is now ascertained to be small, and hardly equivalent to an average one, whereas the production of the last four years of war was abundant, and such as to increase the enormous stocks carried over from year to year—stocks which have been reduced only lately. The exportation of lemon oil will, it seems, be important this year if orders continue to flow in as they do now; on the other hand, the fruit is being largely exported, and if this trade is to last the production of the oil will be somewhat lessened. Finally, a new factor has made its appearance, which will in all probability considerably influence the firmness of the market. There is a certain class of persons having a large capital which has always invested it in the acquisition of warrants for citrate of lime delivered by the Camera Agrumaria for the quantities deposited with that body. The Camera Agrumaria in receiving the citrate used to advance a certain amount of the value, giving a warrant for the balance due. This warrant was payable a year after, and at the final price obtained by the Camera for the sales abroad. A great number of the merchants, being in want of money, did not wait for the liquidation, but were wont to sell their warrants to speculators, who realised considerable profit out of this operation. Now the Camera Agrumaria has decided to pay a fixed price for the whole quantity deposited, so that the warrants will no longer be in use, and with their

cessation, speculation is also brought to an end. These speculators, not knowing how to employ their funds, have begun to purchase lemon oil on a large scale, convinced as they are that they will later on realise high prices. These speculators are people who are able to stock hundreds of thousands of pounds of oil and keep it for an indefinite period. The lemon-oil producers, on their side, are almost frantic to acquire lemons to produce derivatives, and they pay such exaggerated prices that if they do not sell their oil at 2 or 3 Italian lira more per lb. they cannot realise any profit, the more so that out of the citrate of lime they cannot get more than 5.50 lira per kilo, which is the price fixed and paid by the Camera. We think, therefore, that a strenuous resistance to sell will be the consequence of these conditions, and that much higher prices will be asked. We regret to make a report with such dark prospects, but this is the real situation. Those who do not think they can take advantage of the present comparatively low prices because of the high rate of exchange should use great caution in their purchases for the coming year, and this applies to all Sicilian essential oils.

Writing on October 31, our correspondent states that recent events verified his previsions with unexpected rapidity. The new production of mandarin and sweet orange oils, now for the greater part on the market, will not exceed one-third of the normal production. To this must be added the total absence of old stocks, and prices will go much higher. The bitter orange has not yet come into the market, but of this oil also only a few thousand kilos. will be obtainable. This quantity is absolutely insufficient to meet requirements, and although prices have therefore touched very high levels, they have not yet reached their highest, and it is also very difficult to take engagements. Moreover, these three oils are obtained from comestible fruit, and to-day everything that can be eaten is sold at exorbitant prices; thus the proprietors find it more convenient to sell the fruit for comestible purposes than for the extraction of essential oils and other derivatives. Buyers should therefore make their purchases now, taking also advantage of the high exchange. For bergamot oil also the market has been much more active. Big and small orders flock in from abroad, and the consequence has been a continual increase in prices both for old and new crop. It is rather difficult to make important acquisitions, and it is generally believed that higher limits will be reached. The ready stocks have undergone a strong reduction, whereas the new crop is said to be normal on the average, and if the hailstorms we have lately had have not damaged the delicate peel of the bergamot we can hope in next November-December to see a greater quantity of the oil in the market. But it is lemon oil that has caused the true surprise. In less than three days the market has jumped forward by three liras per Sicilian pound, which is equivalent to two-thirds of an English lb. Three or four important exporting firms have been obliged to purchase for prompt and future sales, and this has put the market in a state of frenzy. The quantity purchased for effective exportation does not exceed 100,000 lb., and perhaps as much goes to the speculators. To-day the market is calmer, and begins to be approachable at about 8 liras per Sicilian pound, a limit at which exporters remain buyers and the sellers, although few in number, begin to accept this limit. The exportation of lemons continues to be active, and this contributes to make us believe that the new production of oil will be scarce. On the other hand, the exchange still maintains itself very high, and allows purchasers to buy at comparatively low prices.

Italian Sulphur.

There has been an appreciable reduction of late years in Italy's sulphur production, and it is feared in some quarters in Italy that, despite the Government measures taken for protecting and stimulating the native industry, American sulphur will eventually compete with Italian even in European markets. The following figures (tons) illustrate the declining production, and at the same time the corresponding decrease in the output of sulphur products:

Year.	Crude	Refined	Worked
1910	430,361	19,093	171,570
1914	337,813	14,103	165,382
1915	358,107	116,378	140,414
1916	284,374	50,901	12,200
1917	211,847	71,585	44,320

The production of crude sulphur in 1917 was only 49 per cent. of that in 1910, while the production of refined sulphur in 1917 was 42 per cent. the output of that in 1910. The greatest drop, however, is in the worked sulphur, the output in 1916 being only 7 per cent. of that of 1910.

Arrivals of Drugs, Chemicals, and Allied Produce.

The following arrivals have taken place at the ports named:

London

(October 21 to 27).

Barytes, (Antw.) 650 bgs., (U.S.) 100 brls.
Bismuth ore, (Ch.) 40 bgs., (Aust.) 104 bgs.
Casein (Aust. 67 bgs.
Chemical products: (Belg.) 22 pkgs., (Fr.) 22 cks.
Alum. sulph. (R'dam), 750 cks.
Argol (Fr.), 232 bgs.
Formic acid (R'dam), 108 pkgs.
Milk sugar (Amst.), 200 cs.
Potash salts (R'dam), 801 bgs.
Potash, pruss., (Antw.) 4 cks., (Amst.) 31 cks.
Soda caustic (R'dam), 169 drms.
Soda sulphide (Fr.), 34 cks.
Tartar, (Sp.) 51 brls., (Fr.) 34 cks., 1,054 bgs.
Vermilion (Ch.), 10 cs.
Zinc oxide (Antw.), 100 brls.
Dextrin (Amst.), 100 bgs.
Drugs, crude: drugs, (Antw.) 12 pkgs., (Fr.) 5 cs.
Benzoin (S.S.), 97 cs.
Chamomiles (Belg.), 36 bls.
Hembane (Alex.), 5 bls.
Orange-peel (R'dam), 6 cs.
Rhubarb (Ch.), 32 cs.
Valerian (Antw.), 21 bls.
Drugs, medicines, etc.: not described, (Fr.) 28 bgs., (N.Y.) 27 cs.
Dyes, dyeing and tanning materials, etc.: Aniline (Belg.), 93 pkgs.; aniline dyes, (Belg.) 197 pkgs., (N.Y.) 72 cs.; cochineal (Canar. Is.), 14 bgs., 11 cs.; cutch (R'gon), 150 bxs.; ext., tanning (U.S.), 70 brls.; gambier (S.S.), 1,051 cs., 968 pkgs.; myrabolans (E.I.), 15,048 pockets, 7,900 pkgs.; safflower (Cal.), 27 bls.
Egg products: albumen (Ch.), 1,463 cs.; whole (Ch.), 146 cs., 309 cks.; yolk (Ch.), 1,828 cs., 359 brls., 91 cks.
Gelatin, (Fr.) 15 cs., (R'dam) 314 bgs.
Glucose (N.Y.) 63 brls.
Gums, resins, etc.: gum, not described (S.S.), 462 cs.; copal, (R'dam) 1,056 bgs., (S.S.) 579 cs.; damar (S.S.), 400 cs.; lac: button (Cal.), 164 cks.; seed, 50 bgs.; shell, 842 cks., 400 cs., 1,200 bgs., 3,240 pkgs., (Jp.) 50 cs.; resin, (Port.) 875 pkgs., (Sp.) 368 brls., (Fr.) 451 cks.
Honey (N.Z.), 200 cs.
Lead, white, (Antw.) 57 brls., (N.Y.) 174 cks.
Lithopone (R'dam), 80 cks.
Magnesite (R'dam), 200 bgs.

Magnesium (R'dam), 48 brls.

Mercury (Belg.), 5 pkgs.

Oils, essential: (S.S.), 22 cs.; anise, star

(Ch.), 150 cs.; cinnam-

omou leaf (Cey.), 90

cs.; citronella (Cey.),

75 drms.; eucalypt-

us (Aust.), 481 cs.;

turpentine (Fr.), 100

cks., 200 brls.

Oils, fixed: not de-

scribed (R'dam), 431

brls.; coconut,

(Cey.) 292 cks., 24

pps., (R'dam) 383

brls., (Belg.) 1,000

brls., (Jp.) 1,500 cs.;

ground (Jp.), 1,000

cs.; olive, (Fr.) 27

cs., 25 cks., (Port.)

200 cs., 120 brls.;

soya, (Ch.) 596 cks.,

(Jp.) 500 cs.; tea

(Ch.), 2,500 cs.;

wood (Ch.), 300 brls.,

5,000 cs.

Perfumery, (Antw.) 43

pkgs., (Fr.) 26 cs.

Seeds: anise star (Ch.),

50 cs.; apricot

kern. (Ch.), 40 bgs.;

canary (Port.) 70

cks.; caraway

(Holl.), 220 bgs.;

copra (S.S.), 3,147

bgs.; cotton (Alex.),

1,969 tons; ground-

nuts (Ch.), 280 bgs.;

illipe (S.S.), 2,230

bgs.; lin, (E.I.)

54,930 bgs., (Ch.) 237

bgs., (Jp.) 315 bgs.;

rape (Ch.), 1,098 bgs.;

soya (Jp.) 280 bgs.

Spices: cassia (Ch.),

3,681 cs., 400 bxs.

650 bgs.; cinnamon

(Cey.), 694 bls.;

mace (S.S.), 85 cs.;

nutmegs (S.S.), 471

bgs., 150 cs.; pepper,

(S.S.) 23,681 bgs.,

(Antw.) 200 bgs.

Tate (Fr.), 150 bgs.

Vanilla (Fr.), 70 cs.

Wax, not described

(Holl.), 55 pkgs., 29

bgs.

Wax, bees' (Port.) 67

pkgs., (E.I.) 28 cs.

Wax, paraffin, (U.S.)

804 brls., 6,322 bgs.,

(S.S.) 2,000 bgs.,

(scale) (N.Y.), 2,353

brls.

Liverpool

(October 20 to 25).

Bismuth ore (Aust.), 90

bgs.

Bronze powder (Can.),

56 cs.

Carbon black (N.Y.),

350 cs.

Chemical products: not

described (N.Y.), 5

brls.

Acetic acid (U.S.),

619 brls.

Ammon. sulph.

(Can.), 1,500 bgs.

Quinine sulph. (Jv.),

675 cs.

Soda perbor. (N.Y.),

80 brls.

Soda phosph. (Belg.),

54 cks.

Tartar, (Port.) 17

cks., (Gre.) 100

bgs.

Tartaric acid (It.),

48 brls.

Drugs, crude, etc.: herbs (Fr.), 20

bls.; roots, 15 bls.

Calabar beans (W. Af.), 18 bgs.

Cinchona, (Cristobal)

45 bls., (Jv.) 250

bgs., 4,825 bls.

Cod liver oil (St.

John's), 261 brls.

Conduranço (Cristo-

bal), 100 bgs.

Cuttlefish-tone (Fr.),

54 cs.

Liquorice, paste

(Smyr.), 300 cs.

Meuthol (Jp.), 25 cs.

Opium (Tky.), 24 cs.

Drugs, medicines, etc.: Fellows' syrup (New

York), 46 cs.; liquid

paraffin (N.Y.), 488

cs.

Dyes, dyeing and tan-

ning materials, etc.: extract, tanning

(U.S.), 400 bxs., 310

brls., 1,115 bgs.;

gambier (Jv.), 1,870

cs.; hematite (U.S.),

25 brls.; myrabo-

lans (E.I.), 937 bgs.;

orchella (Port.), 40

bls.; valonea (Smyr.),

1,571 bgs.

Egg products: albu-

men (Ch.), 67 cs.;

whole, 33 cks.; yolk,

112 cs., 770 cks.

Glucose (U.S.), 2,040

brls.

Gums, resins, etc.: copal

(Jv.), 1,623

pkgs.; damar (Jv.),

200 cs.; resin

(Port.), 407 cks.;

tragacanth (Tky.), 22

pkgs.

Lead, white (U.S.), 896

kgs.

Lime-juice (W.I.), 5

puns.

Molasses, (U.S.) 700

brls., (Cuba) 3,670

tons.

Oils, essential: citron-

ella (Jv.), 21 drms.;

mint (Jp.), 25 cs.;

yang-ylang (Jv.), 1

drm.

Oils, fixed: coconut

(Jp.), 3,991 cs.; cod

(St. John's), 183 cks.;

cottonseed (Jp.),

3,000 cs.; hardened

(Jp.), 1,000 cs.; lin

(Can.), 149 brls.;

olive (Fr.), 190 cs.;

palm (W. Af.), 4,018

cks.; rape (Jp.),

1,000 cs.; seal (St.

John's), 51 cks.;

soya, (U.S.) 105 tons,

(Jp.) 1,717 brls., 7,400

cs.; whale (Calif.),

1,000 brls.

Seeds: anise (Port.),

10 bgs.; copra (E.I.),

2,410 bgs.; cotton

(Alex.) 650 tons,

(W.I.) 3,934 bgs.,

(E.I.) 800 bgs.;

ground-nuts, (W. Af.)

830 tons 18,109

bgs., (Jv.) 1,485 bgs.;

palm kernels (W. Af.),

89,734 bgs.;

rape (Ch.), 240 bgs.

Spices: cassia (Jv.),

506 pkgs.; ginger

(W. Af.), 583 bgs.;

pepper (Jv.), 1,545

bgs.

Spirit, meth. (Belg.), 20

drms.

Starches: potato (Jp.),

3,583 bgs.; wheat

(Jp.), 1,360 bgs.

Wax, bees' (W. Af.), 62

bls.

Wax, paraffin (N.Y.),

1,043 brls., 1,172 bgs.,

(scale), 100 brls.

Göde

(October 22).

Drugs (Belg.), 6 bds.;

farina (R'dam), 200

bgs.; oxalic acid

(R'dam), 88 cks.

Grimshy

(October 21).

Dyes (Antw.), 379 cks.;

zinc oxide (Antw.),

19 cks.

Manchester

(October 18 to 20).

Balsam tolu (N.Y.), 6

cs.; casein (Aust.),

12 tons; coconut

oil (N.Y.), 400 brls.;

cottonseed oil (U.S.),

1,000 brls.; dextrin

(N.Y.), 880 bgs.;

extract, tanning

(U.S.), 500 bxs., 100

brls.; emetic tartar

(Fr.), 10 cks.; farina

(R'dam), 1,050 pkgs.;

formaldehyde (N.Y.),

112 brls.; glucose

(N.Y.), 1,500 brls.,

12,000 cs.; ground-

nuts (U.S.), 5,511

London

(Oct. 27 to Nov. 3).

Alcohol, methyl (U.S.),

50 drms.

Almonds, (Fr.) 360

bgs., (It.) 210 bgs.

540 cs., (Sp.) 800 cs.

1,165 bgs., 3,412 bxs.

Barytes, (U.S.) 60 brls.,

(Sp.) 1,100 bgs., 40

brls., (R'dam) 68

cks.

Brouze powder, (Jp.)

10 cs., (Can.) 27 cs.

Casein (Fr.), 394 bgs.

Chemical products:

(U.S.), 84 bxs.

Argol, (Sic.) 200 bgs.,

(Sp.) 128 cks.

Arsenic, (Jp.) 200

pkgs., (S'pore) 206

cs., (R'dam) 40



The Question of Federation.

SIR,—The approaching winter session is bringing with it the usual question of whether it is to be trade unionism or not. I have no doubt in my own mind which is the better organisation for obtaining results, and so long as people have brains and labour to sell they must of necessity think out the best way to market their commodity. The National Association of Chemists' Assistants is developing in exactly the same way the chemists' assistants did four years ago, ultimately evolving into the present Drug Union. It was a logical outcome of their needs. One thing I would like to point out if betterment is the objective. As one of the representatives of the workers in their recent negotiations with the Drug and Fine Chemical Association, I found that the rock on which we split was that of the contending interests of rival bodies. Sir William Glyn-Jones said at the North London Association twelve months ago, "The opponents work on the total of weak points put forward by the rival protagonists of a cause, and the resultant enactment reflects not the strength but the weakness of the rival representations." I have known instances in which the same body of workers were represented by diverse unions, who were sometimes as anxious to score off each other as they were to make good their case for their members. It was easy to split their forces. Precisely! that fate was served us by competing unions. Now the question which arises to me is, is there no way out? In Scotland there is one union in the field, and negotiations are in progress with the Scottish Federation as the organised body of employers. In England we have to find common ground, first with two unions possessing diverse interests, and second with the N.A.C.A. There is no employers' federation in England yet, but, were one in existence, with what confidence could they meet any of the representatives of the organisations with any prospect of satisfactory results? We know from spasmodic utterances what assistants would like, but who is there to negotiate in order to stabilise wages? I have had some hundreds of letters from employers asking for information, and where several are employed we have carried through negotiations; but for the three thousand chemists with solitary assistants, where are they to look if our forces are split?

HERBERT SKINNER.

Higgate, N. 6.

SIR,—I have read, re-read, and well digested Mr. Jack's most instructive address on "What Federation should mean to Pharmacists" (*C. & D.*, October 25, p. 83), and I trust my *confreres* generally all over the country have done the same, for it deserves the closest consideration of every member of the craft. Personally I am in entire agreement with Mr. Jack on the subject. In this age of reconstruction what we undoubtedly require is such a federation of employers for England and Wales, built on the lines of the Scottish, or, better still, a national federation for England, Scotland, and Wales, quite independent of the Pharmaceutical Society. This new organisation would not clash with the parent society, as the large majority of pharmacists are loyal members of that body, and it would deal only with trade affairs. We should represent chemists in business, and be able to treat with assistants' unions (and these must now be recognised, whether we like it or not) as regards wages, hours, and conditions of labour, in an amicable way, with, say, a Government arbitrator in cases of disagreement. The new organisation would also take up the questions of unprofitable proprietaries, the prices charged by wholesale houses and manufacturers, retail prices generally, insurance dispensing terms, and, in fact, anything and everything of a trade nature. If the majority of the retailers of the country joined the federation—I am of opinion it would be very much to their interests to do so—we could speak for the craft in no uncertain manner,

and be of inestimable value to the trade at large. I strongly advocate the formation of such an independent federation, and am prepared to co-operate with others of a like way of thinking in starting a scheme for England and Wales on the Scottish plan.—Yours faithfully,
Poplar. A. R. KEITH.

Profiteering Problems.

SIR,—I notice Mr. Charles Hamus (*C. & D.*, November 1, p. 75) suggests that the figures in the "Standard" Retail Price List work out "rather too high for some of the everyday lines." I would like to point out that it is not by the apparent high prices that we make a living, but from the real profit derived, and if he would consider for a moment the old cost and selling prices and the present cost and selling prices of the everyday articles named he will see that the present rates of profit which I allow are really less than the old rates of profit. Writing from memory, 6d. per lb. Epsom salts then cost about 1d. per lb., to-day they cost 4d. and sell at 1s. only, and still at the same 1d. per oz.; 4d. per lb. sulphur then cost about 1d., to-day costs 6½d. lb., sells at 10d. lb., and still at the same 1d. per oz.; 3d. oz. liquorice-powder then cost about 1s. lb., to-day costs 1s. 8d. lb., but sells at only 2½d. oz. These figures should make it clear that although the present prices may appear high the rate of profit is really less than in pre-war days. And chemists would do well to sum up courage to charge them. With regard to his series of convenient figures, well, 1s. 4d. per lb., or simple multiples of it, only represent extremely few of the costs which we have to deal with, and it is apparent he fixes his profit on the ounce cost, and for greater quantities he seeks the most convenient figures, regardless of the rate of profit derived. He increases his 2d. oz. price to 2½d. and increases the lb. price by 8d., but when he increases 2½d. per ounce to 3d. (why only increase his lb. price by 3d. instead of 8d.?) there is no definite ratio of profit. Beware of such series figures; they often lead to very unpleasant results. I met a chemist in pre-war days who used a somewhat similar series of which the following was one:

1 oz.	4 oz.	8 oz.
2d.	7d.	1s.

He bought an article at 2s. lb. and priced its receiptable "2d. per oz.," thus taking 25 per cent. profit; by and by the actual cost was forgotten, and his series figures were adopted for the quantities above the oz. price marked on the bottles; customers were purchasing ¼ lb. at 7d. and ½ lb. at 1s.: when informed that he was selling at cost he was quite indignant and sure he had 25 per cent. on it, but on investigation he realised his error, and was done with "series figures" and selling at cost. This at once shows the error of adding profit to the smaller quantity and using series figures. One of the fundamental principles of the S.R.P.L. is to add the desired profit to the larger quantity, viz., 2s. lb., plus 25 per cent., equals 2s. 8d. lb., which, in this case, comes out at the even 2d. per oz.; but where a greater profit is desired on the smaller quantities other definite tables are used for S.R.P.L. prices, whereby the profit on smaller quantities is still further increased where such is desirable.

Yours faithfully,

CHARLES PHILIP.

The "Standard" Retail Price List, Herne Bay.

SIR,—I see that the City of London Anti-profiteering Committee have decided to make investigations *in camera*, with the object of protecting traders from frivolous and vexatious complaints by the public, thus avoiding the disagreeable results to such traders as are without blame in the matter. This is a thoroughly businesslike and just way to work such a Committee. I should think there need be little discussion to make this rule a compulsory one in all Profiteering Committees throughout the country, if only as a piece of common justice to such traders as desire to conduct their business in a humane and conscientious manner.—Yours faithfully,

ANTI-PROFITEER. (83/67.)

SIR,—The two cases under the Profiteering Act with regard to camphor (*C. & D.*, November 1, p. 54) show the complex difficulties under which we now labour. In both cases the retail price was the same—6d. a square—but at Chelmsford a refund of 2d. was ordered, and at Ealing the case was dismissed. Presumably the Chelmsford Committee took the view that the camphor had been bought at 10s. 4d. per lb. six months previously, and worked out the selling price on that basis; but if we are all to do this, then the price of commodities will be different in every shop you go to, according to the date of purchase from the wholesaler. If, for example, I discovered a parcel of camphor bought in 1914, and inadvertently pushed away in a corner, am I to sell it out now at 1d. a square? If this rule is to hold good, then there is no advantage in buying for stock, or trying to buy on a good market, and prices are more likely to be increased than to be lowered if we are forced to buy from hand to mouth. This application of the Profiteering Act might be extended with advantage to brokers, dealers in options, etc. I note that Mr. Bellamy gave evidence that there was no collusion between the chemists in the town. Is the adoption of a standard price-list to be used as evidence against us?

Yours faithfully,
CAMPHOR BELL. (80/40.)

SIR,—In these days of profiteering tribunals, how modern sounds this maxim of La Rochefoucauld, written 250 years ago:

La souveraine habileté consiste à bien connoître le prix des choses.

And how felicitous a motto for the Herne Bay or any other price-list.—Yours faithfully,
Handsworth. W. A. MUNRO.

Insurance Dispensing Terms.

SIR,—Once more I beg all Local Associations to think well before they accept the new terms, and see that this time they get a full remuneration for the (up to now) thankless work of Insurance dispensing. I see that there is a prospect of a 50 per cent. increase for 1920. If this is all, I for one will not accept it. Others say that it will be a double dispensing fee. That also is not enough, when one has deducted from it the following (among other) expenses:

- (1) The stocking (and overbuying) of drugs, tablets, appliances, etc., and supplying at (and often under) cost price.
- (2) The free gift to patients of ointment boxes and pots, labels, wrappers, corks, etc.
- (3) The repurchase of dirty medicine bottles at the same price as when supplied new—a most obviously ridiculous arrangement.
- (4) The Pharmaceutical Committee's expenses levy.
- (5) The postages on scripts sent for payment.

My own impression is that either of the following terms would be necessary to rescue our craft from the cleft stick into which it has fallen: (1) A 50 per cent. fee and 3½ per cent. profit on the articles supplied; or (2) a 100 per cent. fee for dispensing, either of these propositions being subject to a just arrangement *re* the items marked Nos. (1) to (5) noted above. We get a profit—*i.e.*, a gross profit—at present of 3.34d. I take it that a 50 per cent. advance will make it 5.1d. It is not anything like enough. Members of the Associations, think of it, for with you rest the results!—Yours faithfully,

NOMEN. (80/4.)

SIR,—With further reference to the malt and oil question, if I were in the position of "Xrayser II.'s" correspondent, I should supply the malt and oil required, as the orders must be few and far between, and the transaction would come in the same category as the case in which one has to obtain a proprietary drug to fill a private prescription. But in this district the doctors order malt and oil in 2 lb. and 4 lb. quantities, and I frequently receive three or four such scripts a day, so that I cannot afford the margin of loss. With regard to buying in bulk, I doubt whether there is much gain, as the time taken in weighing containers, the messy job of fill-

ing, and the uncertainty of overweight even when using a cut-off tap more than counterbalance the advantage in cost. It is possible to get it packed in tins from several wholesalers at drug-tariff rate, and I have found this the most satisfactory.

Yours faithfully,
FOIE DE MORUE. (65/8.)

The Venereal Disease Act.

SIR,—Now that the Venereal Disease Act has been applied to several more towns and districts (*C. & D.*, November 1, p. 50), I should like to warn fellow-pharmacists to be on their guard, or they may be caught when quite innocent. I had a customer recently who asked for a box of capsules: "I forget the name. Which are the ones that cure a discharge?" As the man was a stranger to me, and his manner made me suspicious, I replied that I could sell him anything he asked for, but that I was unable to recommend anything. So he went away without making a purchase, and I remained

UNCAUGHT. (18/8.)

Printers' Charges.

SIR,—Will you allow me to thank collectively, through your columns, the chemists and printers who have written in reply to my letter on the above subject in the *C. & D.*, October 25? The highest price I have been quoted for slip labels is 5s. 6d. per 1,000. Three chemists have written me giving the address of a printer who does slips at 1s. 3d. per 1,000, and I have his samples and quotation confirming this. The representative of a firm of printers informs me that "a single 1,000 slip labels worked with other labels actually works out at 3s. 5d. cost in factory." According to this, the printer charging 1s. 3d. is making his customers a present of 2s. 2d. on every 1,000 slips purchased from him.—Yours faithfully,
Persnore. JOHN DOWTY.

Relief Managers.

SIR,—Your correspondent, writing on the above subject (*C. & D.*, October 11, p. 71), has made a splendid suggestion, interesting to every chemist in business. During twenty years of active business life I have often been seriously handicapped because I could not obtain emergency assistance. Appeals to wholesale houses often met with no success. Surely local Associations could get up a list of qualified and unqualified assistants who could be relied upon to act in any emergency. There are many retired men, like myself, who find the days drag, and would be glad occasionally to take duty in any part of the kingdom. It would be a welcome change, and helpful to those who were hard pressed for such assistance.

RETIRED. (54/20.)

The Status of Assistants.

SIR,—The title of the address given by the President of the Hull Branch of the National Association of Chemists' Assistants (*C. & D.*, November 1, p. 64) impels me to ask for a few facts on the status of the chemists' assistant with regard to trade unions. With the various happenings in the pharmaceutical world we have lost sight for the time of the Trade Boards and Industrial Councils, but many of us would be glad to know where we shall stand when the Board or Council is established. First and foremost will it be compulsory for an assistant to join a trade union or its equivalent; and secondly, what is an assistant? I should say that any person who had money invested in a business is a proprietor, and anyone who had not is an employé even although he might take a commission or share of the profits. On the other hand, the Ministry of Labour, in framing the 48-hour week, wishes to exempt managers or persons in responsible positions, so that it is quite possible that managers of pharmacies, especially those taking a percentage bonus, would also be excluded. Possibly one of your readers, who is doing organisation work, would give us some advice on the subject.

Yours faithfully,
HALF MANAGER. (21/11.)

Dispensing Difficulties and Notes.

A Mag. Sulph. Mixture.

SIR,—I have had the following prescription sent me to be dispensed on several occasions, and should like to know the correct method of compounding it. It is quite satisfactory until the magnes. sulph. is added, when brisk effervescence set up.

Yours faithfully,

SALOL (9/47.)

Mag. sulph. ....	...	...	...	...	5ij.
Tr. nuc. vom. ....	...	...	...	...	5iij.
Sod. salicy. ....	...	...	...	...	5iv.
Sod. bicarb. ....	...	...	...	...	5j.
Inf. gentian. co. ....	...	...	...	...	5iij.
Aq. ad. ....	...	...	...	...	5xij.

[The only way apparently to compound this mixture is to place the salts in a mortar and rub down with the water and infusion of gentian, finally adding the tincture of nuxvomica. Effervescence occurs, and some magnesium carbonate is formed, most of which, if a fair quantity of carbon dioxide be retained in the mixture, remains in solution. The reaction proceeds somewhat slowly owing to the chilling effect of the salts passing into solution. If the mixture be warmed until carbon dioxide is dissipated the magnesium carbonate falls out of solution, and the precipitate is therefore much more bulky. We think the method by which carbon dioxide in fair quantity is retained is to be preferred to the process involving the employment of heat. Care should be taken not to send out the mixture with excess of carbon dioxide in case of the cork being discharged from the bottle should the temperature rise or the bottle be much shaken.]

A Muddy Mixture.

SIR,—The enclosed prescription when dispensed produced a mixture which turned muddy, and in a couple of days threw down a precipitate. It developed a peculiar smell, and the doctor found fault with the dispensing. He said that he dispensed the mixture himself, and that it was all right. Would you kindly say if that is possible?

Yours truly,

J. W. (245/5).

Tr. ferri perchlor. ....	...	...	...	...	5ij.
Tr. capsici ....	...	...	...	...	5j.
Aq. ad. ....	...	...	...	...	5viij.

M. 3ss. t.d. ex aq.

[We have not succeeded in obtaining the results you describe. Apart from the unavoidable cloudiness due to the tincture of capsicum, the mixture remained clear of any muddiness or precipitate for longer than the time requisite to consume it according to the directions, and no abnormal odour was developed in that time. Are you quite sure that you employed distilled water in compounding the mixture? Tap-water containing dissolved carbon dioxide, or an appreciable degree of hardness, might induce a muddy appearance, and ultimately a precipitate. If the mixture were allowed to stand in a partially empty bottle for a week or two it would most likely develop a whiff of ethyl chloride. It is, however, a mixture which is not designed to be kept.]

A Paraffin Cream.

SIR,—Would you inform me if the enclosed is a possible proposition?

Yours truly,

JOHANNESBURG (14/45).

Bismuth. carb. ....	...	...	...	...	gr. vj.
Ext. malti liq. ....	...	...	...	...	℥xv.
Paraff. liq. ad. ....	...	...	...	...	5j.

Mitte 5iv.

[This affords a very beautiful cream, which is too thick to pour from a bottle. It should be dispensed in a jar so that it can be spooned out. There is no "catch" in its preparation. We compounded it by rubbing down the bismuth carbonate with half the liquid paraffin, adding the liquid extract of malt, and finally the remainder of the liquid paraffin.]

A Double Problem.

SIR,—I received the following prescription:

Baby—

Hydrarg. perchlor. 1.5000

Mitte: 3viii.

S. Add an equal quantity of hot water and use three or four times a day as directed.

Ought this to be dispensed in a lotion-bottle or a plain one, and should it or should it not be labelled "For external use" (or "Not to be taken")? I should also like to ask those who favour Mr. Allen's mode of pricing prescriptions what they consider a fair charge on this one.

B. (73/15).

Legal Queries.

G. W. H. (71/67).—Pills containing only Stockholm tar would benefit under the entire drugs exemption of the Medicine Stamp Act. The position, however, is that one cannot make pills containing only Stockholm tar; there must, according to our experience, be an excipient. The addition of an excipient (according to the decision in the Knoll case) removes such a remedy from the entire drugs exemption. You could, however, by publishing the formula convert it into a "known, admitted, and approved remedy," which you as a chemist could sell unstamped.

Regni (60/70).—(1) A label bearing the words "Chilblain Ointment" renders the preparation to which it is affixed liable to medicine-stamp duty unless there is a disclosure and the seller is a chemist or other person entitled to sell "known, admitted, and approved remedies." (2) A patent-medicine licence is required for the sale by post of stamped medicines. (3) We presume by "unlimited company" you mean a firm; if so, there is no obligation on the partners to place their names on labels as well as the firm name. The firm must, however, be registered under the Registration of Business Names Act.

Miscellaneous Inquiries.

G. S. (61/57).—"SILENT" SPIRIT is what chemists call rectified spirit. The word "silent" is used in the sense of free from flavour.

Rats (61/59).—(1) RED SQUILL is one of the two varieties of *Cryanea maritima*. There is no difference in the medicinal or toxic properties of red and white squill. The recommendation to employ red squill for rat poisoning is not founded upon any difference in the properties of the two varieties. (2) QUININE AND CINNAMON MIXTURE.—The basis of this is usually tr. quin. ammon., which cannot conveniently be sold diluted for use. A quinine mixture (quin. hydrochlor. ac. gr. ss., aq. 3ss.), flavoured with 3ss. doses of tr. cinnam., would probably answer your requirements.

G. S. & Co. (72/24).—CHAMOIS LEATHER.—The special feature about chamois leather is that it is produced by an oil-tanning method. The split sheep-skins are dried in the ordinary way, then submitted to a bran-drench, pressed to remove moisture, then oil is worked into the skin. The skins are exposed to the air and the oiling repeated until the water has been replaced by oil. Next, the skins are piled in a heap to heat, after which the oil is pressed out and the skins washed with an alkali bath. Fish or whale oils are used for the process.

C. H. W. (78/63).—AMERICAN-TYPE LINIMENT.—See C. & D. Diary, 1919, p. 87.

F. W. F. (75/17).—CHEST AND LUNG BALSAM.—The following is the formula for which you ask:

Sem. lini ....	...	...	...	...	5ij.
Ext. glycyrrh. ....	...	...	...	...	5iv.
Ol. anisi ....	...	...	...	...	5ij.
Oxy. scillæ ....	...	...	...	...	Ovj.
Syr. tolu. ....	...	...	...	...	Oij.
Tr. capsici ....	...	...	...	...	5j.
Theriacæ ....	...	...	...	...	Ovj.
Aquæ ....	...	...	...	...	Oiv.

Misce.

Salot (70/10).—There is no fixed rate of profit in the drug-trade. We do not think there has been any increase in the rate since the war, but the turnover of chemists has been larger owing to increased cost of drugs, etc.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Nov. 15, 1869.

The Open Door.

London improvements have occupied a considerable space in all the daily papers lately, and there is one which confers a benefit on some of us. Members of the Pharmaceutical Society visiting their Institution in Bloomsbury Square, will be pleased to find that they can enter now without the formality, hitherto indispensable, of knocking and ringing. The open doors have a decidedly cheerful, if ominous, appearance.

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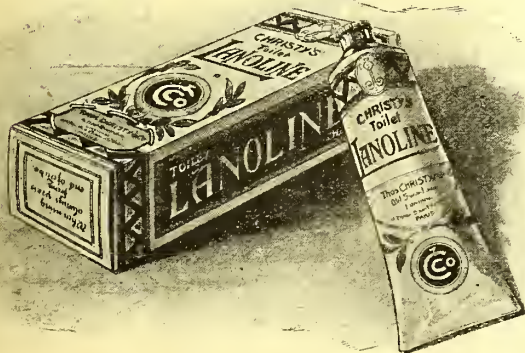
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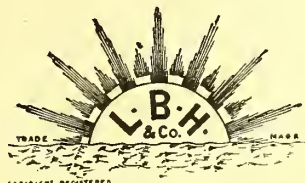
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1/10 Feeder, complete	...	1/10	16/6 doz.
1/1 Spare Bottles	...	1/1	9/9
4½d. " Teats	...	4½d.	3/5
3½d. " Valves	...	3½d.	2/8
2/6 " Coloplast " (½-lb. tins)	...	2/6	22/6
4/6 " (1-lb. ")	...	4/6	40/6
13/6 " (4-lb. ")	...	13/6	121/6
	(Hospital size)		
*5/9 Rusks	...	5/9	55/3
*12/- " Byno " Preparations	...	1/-	108/-

*Through an oversight in last week's "C. & D.," the M.W.P. of "ALLENBURYS" RUSKS was quoted at 55/2 instead of 55/3; and the advertised price of "BYNO" Preparations at 12/6 instead of 12/-.

Evans, Gadd & Co.'s Preparations—

4-oz. bots. Lysol	...	1/-	8/- doz.
8-oz. " "	...	1/9	14/-
16-oz. " "	...	3/-	24/-
32-oz. " "	...	5/-	40/-
2/6 Corner's Oils	...	2/6	*24/-

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Bismuth, P.B. Carb., 3 lbs. @ 1/- lb.; 1 lb. @ 1/- lb.; subnit., 3 lbs. @ 14/4 lb.; 1 lb. @ 14/6 lb.

Camphor, English Flowers, "not artificial," 5 lbs. @ 19/- lb.; ½ oz. 7 lbs. @ 19/6 lb.

Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 3 2 lb.; 10 lbs. @ 3/5 lb.

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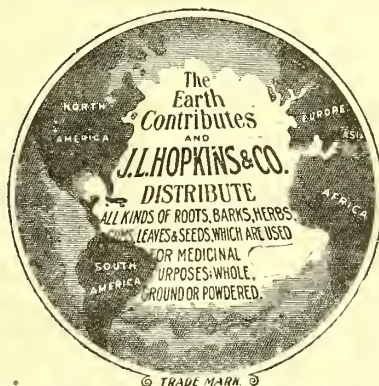


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Eucalyptol Content	70/80 %
Optical Rotation...	0 to 1
Specific Gravity	"919 to "928

Absolutely Free from Pbllandrine.
Quotations by Cable. Wholesale Trade only.

**BURNSIDE & COMPANY
Eucalyptus Oil Distillers,
VICTORIA, AUSTRALIA.**

New Postal Address—
591-3 Bourke St., Melbourne.

Cables—"Burnside Company,
Melbourne."

**EUCALYPTUS OIL
CLARKE & CO. PTY. LD**

Established 1888.

275/279 & 281 Lonsdale St., Melbourne, AUSTRALIA.
Cable Address: "CROCKERY," Melbourne (all Codes).Also at 73 & 74 CHISWELL ST. LONDON, E.C. 1
Telephone: London Wa'l 4693.*Exporters of all classes of
Eucalyptus Oil in any quantity.*

Write or Cable us for quotations, C.I.F. your port.

References:—

National Bank of Australasia, Ltd., Melbourne and London.

EUCALYPTOL (CINEOL)

B.P. STANDARD

PEPPERMINT-KETONE

AND ALL GRADES OF EUCALYPTUS OILS.

*Large stocks always on hand.*We are prepared to quote C.I.F. by Cable or ex London
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SYDNEY, AUSTRALIA.**Largest Actual Distillers of Eucalyptus Oil in
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| (1) Botanicals and Crude Drugs | (5) Fine and Heavy Chemicals |
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etc. | (4) Aniseed
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QUININE ETHYL CARB.
PHENACETIN B.P.
ASPIRIN B.P.
VANILLIN 100%

ON SPOT.

F.O.B. and C.I.F. Prices Quoted.

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ORTHO - OXYQUINOLINE SULPHATE "SUPEROL"

Registered Sale Name

In Powder, Granulated and Tab'ets.

**A MOST EFFECTIVE NON-POISONOUS
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Sole Makers:—

AMSTERDAM SUPERPHOSPHATE WORKS,
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BASLE, SWITZERLAND.

Established 1902. Swiss Firm.

Male Fern Extract
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We have a continuous output of fine quality,
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prompt and future delivery.

WE KEEP REGULAR STOCK IN LONDON. (1)

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SANTONINE

From Russia to the whole world.

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Wormseed
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PURE Sulphuric Acid

Makers would like to hear
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Peroxide of Hydrogen.

100 VOLUMES.

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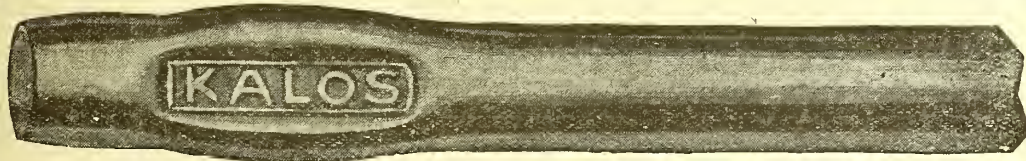
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QUINIDINE
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TRADE MARK
OSYL
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“ Never sent a cheque with more
pleasure, wish I could do a
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this is only a small village.”

7 $\frac{1}{2}$ D. and **1/3**

PER TUBE.

The Line that gives you 100 % profit. Make your
order out as below and send on to us for the
SPECIAL WINDOW SHOW PARCEL.

Please send me, carriage paid, with Window Display matter :

7 $\frac{1}{2}$ d. OSYL TOOTH POWDER at **59/6** per gross.

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1/3 OSYL TOOTH PASTE „ **135/-** „

with bonus of $\frac{1}{2}$ **quantity** ordered on three dozen lots,
for which I enclose cash and undertake to make counter and window
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LYSOL Ltd., Stratford, LONDON, E. 15.

IMPORTANT OFFER OF FRESH STOCK FOR OLD

Dr. Charles Rooke, Ltd., have just commenced their Season's Advertising Campaign, and Chemists who happen to hold OLD STOCK of

CROSBY'S COUGH ELIXIR
OR OTHER PREPARATIONS of the Company
are invited to return same, when they will receive
FRESH STOCK IN EXCHANGE

DR. CHARLES ROOKE, LTD., LEEDS

Never be without



On the P.A.T.A.

The genuine remedy for
ECZEMA, CUTS, BRUISES, SORES, BURNS,
PILES, PIMPLES, BAD LEGS, SORES on
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Liberal Terms to the Trade.

Apply to your Wholesaler or to

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Advertising matter free on request.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED, plain or graduated.
3 and 4 ounce. 6 and 8 ounce.

12 ounce.
WHITE PHIALS, plain or teaspoons.
1 ounce, 1 1/2 ounce.

Lowest
Market
Prices
Charged.

BLUE LOTION BOTTLES, all sizes.
CORKS. Superior Quality. No advance in price.

6 and 8 ounce ... 1s. per gross, in 6 gross bags.
Vials ... 10d. per gross, in 6 gross bags.

Delivered free within 7 miles, and to certain stations. Particulars on application.

I. ISAACS & CO., Glass Bottle Manufacturers,

106 Midland Road, St. Pancras, London, N.W. 1,

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Orders sent to either establishment have attention.

Established 100 Years.

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RAPIDLY INCREASING DEMAND FOR



"ODDS ON" OILS

Liniment for RHEUMATISM, SCIATICA, SPRAINS, &c.

WIDELY ADVERTISED. Retail Prices: 1/3, 3/- & 8/- bottles

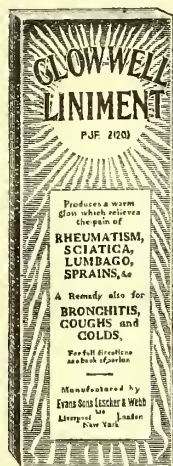
Obtainable from all Distributing Chemists or direct.

The "ODDS ON" SPECIFICS CO., LD., 36-37 Cock Lane, LONDON, E.C.

"GLOW-WELL"

LINIMENT.

*A name that
suggests what
it does.*



*A Liniment that
does what it
suggests.*

The name, the design of the carton and the showcard, indicate the sensation produced by the Liniment—one of a glowing warmth and well-being.

The price is right—the size is right.

3-oz. panelled bottles cartoned :

1/3 size	-	-	doz.	6-doz.	12-doz.	
			10/6	10/-	9/9	in a/c.

Evans Sons Lescher & Webb Ltd.
LIVERPOOL. NEW YORK. LONDON.

FOR THE WINTER STOCK

PLACE ORDERS NOW.

Sphagnol

OINTMENTS and SOAPS

*Samples and full
particulars will be
sent by return
to every Chemist.*

THE LIBERAL TERMS WE OFFER

have already been taken advantage of by many Chemists. SPHAGNOL is well advertised in the Medical Press, and we can send users of SPHAGNOL to you.

SPHAGNOL SOAPS and OINTMENT are in greater demand to-day than ever before. Doctors are prescribing them and Nurses use them in the treatment of ECZEMA, PSORIASIS, Hemorrhoids, Pruritus, Insect Bites, Burns, and all forms of SKIN IRRITATION.

LAST WINTER, CHILBLAINS were experienced very EARLY. SPHAGNOL proved most efficacious in the treatment of them.

PEAT PRODUCTS (SPHAGNOL) LTD. 19 QUEENHITHE, UPPER THAMES ST., London, E.C.4

D.D.D.

Prescription

FOR ALL SKIN & SCALP DISEASES

A well-advertised, high-grade preparation, enjoying a steadily increasing sale. On the P.A.T.A. protected list, giving the retailer a profit of about 25%.

TRADE PRICES.

D.D.D. Prescription 2/9 Lottle, M.R.P. Face Value,	per doz.
" " 5/- " " " "	@ 25/6
" " " " " "	47/-

In two strengths—Ordinary and Strong.

D.D.D. Soap ... 1/- tab. M.R.P. Face Value,	per doz.
" Shaving Soap ... 1/6 stick " "	@ 8/3
" Vanishing Cream 2/6 jar " "	13/6
" Shampoo Powders 2/6 box " "	22/6
" " " " " "	22/6

Carriage paid to any part of the United Kingdom.

Showcards, &c., Supplied Free.

D.D.D. Co., Ltd.

3, 5, 7 Fleet Lane, Ludgate Circus, London, E.C.4

Grasshopper OINTMENT AND PILLS

Protected at Face Value by P.A.T.A.

These remedies have been before the public for upwards of fifty years, and ARE STOCKED by all the leading WHOLESALE HOUSES throughout England and the Colonies.

During the last three years our expenditure in ADVERTISING has been TREBLED.

Our turnover has also TREBLED, and MAIL ORDERS have multiplied TENFOLD.

MAIL ORDERS we do not desire, they entail additional labour without extra profit, and indicate that our goods are not stocked by the RETAIL CHEMIST, sales thus being undoubtedly lost.

To obviate this, if YOU WILL stock our goods WE WILL indemnify you AGAINST LOSS by accepting returns direct at our warehouse and PAYING for same by return post at invoice price PLUS cost of postage or carriage.

ALBERT & CO. 73 Farringdon Street, LONDON, E.C.4

THE CONQUEROR OF PAIN!

JABEZ WOLFFE'S

Channel Embrocation

The finest preparation for Rheumatism, Sciatica, Neuritis, Muscular Stiffness, Sprains, Cramp, Stings and Bites.

Should be stocked by every Chemist.

Prices: 1/3, 3/-, 5/- per bottle.

Trade terms: 25% & carriage paid on orders of £3 & upwards.

The Laboratory, 12 Hampton St., BRIGHTON · SUSSEX · ENGLAND.

Agents required for certain areas.

ÉTABLISSEMENTS CHATELAIN,

2 & 2 bis RUE DE VALENCIENNES, PARIS.

Sole Manufacturers of

JUBOL

RE-EDUCATION OF THE
INTESTINE.

Constipation, Enteritis, Hæmorrhoids,
Indigestion, Skin Blemishes, &c.

Price 5/- per box.

GLOBÉOL

POWERFUL BLOOD TONIC.

Anæmia, Nervous Exhaustion, General
Debility, Tuberculosis Convalescence,
etc.

Price 5/- per bottle.

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POWERFUL URINARY
ANTISEPTIC.

Cystitis, Prostatitis, Catarrh of the
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Price 5/- and 1 1/- per box.

JUBOLITOIRES

SCIENTIFIC SUPPOSITORIES

For Hæmorrhoids, Rectitis, Anal Fistula, etc.
Anti-hæmorrhagic, Sedative, De-congesting.

Price 5/- per box.

URODONAL

POWERFUL URIC ACID
SOLVENT.

Rheumatism, Gout, Arterio-sclerosis,
Stones, Gravel, Sciatica, Neuralgia and
all Uric Acid disorders.

Price 5/- and 12/- per bottle.

VAMIANINE

New Scientific Preparation for Chronic
Skin Affections, Psoriasis, Eczema,
Acne, etc.

Price 1 1/- per bottle.

SINUBÉBASE

SCIENTIFIC PREPARATION OF
LACTIC FERMENTS.

Indicated in Intestinal Disorders,
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Price 5/- per bottle.

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Metrorrhagia, Dysmenorrhoea and Lactation,
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SPECIFIC FOR THE LIVER.

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Price 1 1/- per bottle.

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BRITISH AND COLONIAL AGENTS—
Pharmacists & Foreign Chemists, 164 Piccadilly, LONDON, W. 1.

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AUSTRALIAN AGENT: Mr. BASIL KING, Malcolm Buildings, Sydney, N.S.W.

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Stocked by all Wholesalers.

Now being largely advertised.

Mentholatum

A HEALING CREAM

Ample Stocks always on hand.

P.A.T.A. PRICES.

1/3 size ... 11/6 per dozen.

2/6 " " 23/-

Less 5% on 6 doz. orders.

SPECIAL TERMS for WINDOW
AND COUNTER DISPLAYS.
Over 10 million pots sold last year.

The MENTHOLATUM CO.

39 High Holborn - LONDON, W.C.1.



Kay's Compound Essence of Linseed, "LINSEED COMPOUND"

(Regd. Trade Mark).

For COUGHS and COLDS.

On the P.A.T.A. List.

"KAY'S TIC PILLS."

"MOUNTAIN FLAX PILLS"

Linum Catharticum (Regd. Trade Mark).

"COAGULINE" & "TENASITINE" CEMENTS.

"ORBITE"

Banding Material for Fruit Trees.

BIRDLIMES, RATLIMES, and FLYGUMS.

Sole Makers:—

KAY BROTHERS LTD., STOCKPORT.

NEW ENGLISH DANDELION ROOT

NOW READY, FRESH AND DRY.

Also

Colchicum Seed Colchicum Corms
Digitalis Belladonna Root
Dogges Sloe;
White Bryony Root, etc.

For prices and particulars apply—

FLEMONS & SONS,

Herb Merchants, DUNSTABLE.

BEECHAM'S PILLS

WHOLESALE PRICES.

Beecham's Pills :

1s. 3d. size	...	...	...	...	10s. 6d. per doz. net.
3s. 0d. "	...	...	...	...	26s. 6d. " "
5s. 0d. { new size	...	...	...	...	50s. 0d. " "
{ contains double the quantity of 3/- box.					

Beecham's Cough Pills:

1s. 3d. size	...	...	...	...	10s. 6d. " "
3s. 0d. "	...	...	...	...	26s. 6d. " "

Orders : Minimum quantity £5 value—approximately. | Packages FREE. Carriage PAID.

These Prices are the lowest no matter what quantity is ordered.

TERMS: CASH WITH ORDER.

Cheques to be made payable to THOMAS BEECHAM, and crossed "Parr's Bank, Ltd., St. Helens."

KO-TAL-KO

IS ASKED FOR EVERY DAY
BY YOUR CUSTOMERS

Stock "KO-TAL-KO" because

You cannot offer or sell a more effective hair restorer and maintainer—one more natural in its principles and certain in its effects.

Your regular customers will want it from you, and if they do not obtain it at your store will be tempted to go elsewhere.

You will never have your stock of "KO-TAL-KO" tying up your capital uselessly—on the other hand, your repeat orders quickly follow.

My trade terms will suit you, for they allow you to make your proper and deserved profit, and you are working on sound business all the time.

NOTE TRADE TERMS (P.A.T.A.)—

5/- size	...	...	...	48/- per dozen.
12/6 "	...	...	...	112/6 "

J. HART BRITTAIN, Ltd.

(Dept. C.D. 1.)

2 PERCY ST., LONDON, W.1

KO-TAL-KO

LIQUID BARKOLA COMPOUND

Wholesale 26/- per doz.,
less 10 & 5%. Retail 2/9 each.

Each bottle (1 oz.) carries instructions to the chemist to make up to the following Standard Formula—

Liq. Barkola Comp., 1 oz.; Tincture of
Gentian, 1 oz.; Syrup of Rhubarb, 1 oz.;
Syrup of Ginger, 5 oz.

Chemists charge according to their own scale for dispensing

THE BARKOLA CO., LTD.,
42 Great Dover St., LONDON, S.E. 1.

Proprietors of Barkola Alvexo, Barkola Balm, &c. &c.

RADIUM COMPOUND.

SELF-LUMINOUS.

Highest Possible Efficiency, Durability & Value.

As supplied to H.M. Government, &c.
Guaranteed to pass N.P.L. requirements.
All Grades in stock, from 15/- per gram.
RADIUM SALTS TESTED AND CERTIFIED.

**F. HARRISON CLEW, THE RADIUM
LABORATORY**
156 Clapham Road, London, S.W.

STOVAIN

THE LEAST TOXIC OF LOCAL ANÆSTHETICS
USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE

Does not create a habit and does not give rise to headaches,
nausea, vertigo or syncope. :: :: *Literature on demand.*

NO HOME OFFICE LICENSE REQUIRED

Cheaper than Novocain and Benzocain and obtainable promptly
in practically unlimited quantities from the manufacturers:

LES ETABLISSEMENTS POULENC FRÈRES
— 92, RUE VIEILLE DU TEMPLE, PARIS. —

SACCHARINE

BENGOL TRADING CO., Inc., Gresham House, Old Broad St., E.C.2. Telephone: London Wall, 4597, 4598.
Tele. Add.: "Bengol, Gresham House, London." (1)

W. EDWARDS & SONS,

157 Queen Victoria Street, 239 & 240 Upper Thames Street,
LONDON, E.C.

PRICE LISTS
SENT ON
APPLICATION

ORDERS
CAREFULLY
& PROMPTLY
EXECUTED

WHOLESALE AND EXPORT DEALERS IN

Druggists' Sundries

AND

Proprietary Articles

ENGLISH, AMERICAN, FRENCH, &c.

AGENCIES
UNDERTAKEN
ON ADVAN-
TAGEOUS
TERMS FOR
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ARTICLES &
OTHER GOODS

Telegraphic Address: "MEDICINES, CENT, LONDON."

Telephones: CENTRAL 1400 & 1401.

AWARDED GOLD MEDAL AT INTERNATIONAL
MEDICAL CONGRESS, LONDON 1913.

Sanagen

Trade Mark Regd.**THE
ALL-BRITISH
NERVE
FOOD***Every Sale of
SANAGEN
leads to
other
Sales*

SIZES	SELLING PRICES
2 oz.	2 -
4 oz.	3 -
8 oz.	5 -
16 oz.	9/6
	<hr/> 19 6
33 $\frac{1}{3}$ % Trade Discount	6/6
	<hr/> 13 -

THE above is an example order showing how the Chemist makes 50% Profit on SANAGEN—now being Advertised in the leading London Daily Newspapers, Etc.

Write for Free Literature,
Booklets, Showcards, Etc.
With £5 orders 150 prescription
Envelopes, printed your

FREE

Name and Address. Also
Weight cards (to increase your
Scales Revenue).

OF ALL WHOLESALE HOUSES

SANAGEN CO., LTD.

SHEPCOTE LANE, BATTERSEA, LONDON, S.W. 11.

If you buy a thing for 8d

and sell it for 1/- you make 4d. profit, and you reckon this $33\frac{1}{3}\%$.

In the same way, when we say you make **36% profit on "QUINPHOS,"** we mean that

P.A.T.A.
YOU BUY THE $\frac{1}{3}$ size for $9\frac{3}{4}$ d. thus making **5 $\frac{1}{2}$ d. PROFIT**

"	"	"	3/-	"	"	1/11	"	"	1/1	"
"	"	"	5/-	"	"	3, 2 $\frac{1}{2}$	"	"	1/9 $\frac{1}{2}$	"

These Best Terms may be had by making a small window display as suggested here.



And this is an example of a **£5 BONUS ORDER**, but, of course, it may be assorted in sizes and liquid or tablets as desired.

		COST			SELLS FOR		
		£	s.	d.	£	s.	d.
3 doz. $\frac{1}{3}$ "QUINPHOS" (2 doz. liq. and 1 doz. tabs.) @ 11/6 ...		1	14	6	2	5	0
2 doz. 3/- " (1 $\frac{1}{2}$ doz. liq. and $\frac{1}{2}$ doz. tabs.) @ 27/6 ...		2	15	0	3	12	0
$\frac{1}{4}$ doz. 5/- " ($\frac{1}{8}$ doz. liq. and $\frac{1}{12}$ doz. tabs. @ 48/- ...			12	0		15	0
		5	1	6			
5 % discount for cash 1 month			5	1			
		£4	16	5			
15 \times $\frac{1}{3}$ BONUS for window display						18	9
						£7	10 9
Outlay	£4 16 5	Profit	£2 14 4	= 56 % on cost			
Sells for	£7 10 9	"	£2 14 4	= 36 % on selling price			

SOLE MAKERS: **THOMPSON & CAPPER, LTD.**

Manesty Buildings, College Lane, LIVERPOOL.

Phone: Royal 2060 (Pte. Branch Exchange).

ESTABLISHED 1843.

Teleg.: "Sanitas Liverpool."

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK

FRAME FOOD

ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

LIQ. SANTAL FLAV.
c. BUCHU et CUBEBA

(Hewlett's)

Packed for dispensing only,
in 14, 22, 40 & 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

The Practitioner.

VIROPHOS

Of proved utility in Nervous Diseases,
and a powerful Restorative for the
Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—The Lancet.

WHOLESALE PRICES.

No. 1.	1½ oz. Tin ...	9/- per doz.
" 2.	3½ " " " "	14/6 " "
" 3.	6 " " " "	24/- " "
" 4.	12 " " " "	42/- " "

MIST. PEPSINÆ CO.
c. BISMUTHO

(Hewlett's)

Packed for dispensing only,
in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

British Medical Journal.



Introduced and Prepared only by C. J. HEWLETT & SON, Ltd., Wholesale Druggists, 35-42 Charlotte St., London, E.C. 2.

Freemans Custard Powder

For Relatable Puddings

Makes Delicious Hot Sauce

MADE IN ENGLAND

ALL CHEMISTS
SHOULD STOCK**ABDINE**

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 Years' Reputation.
"Abdine" is the most popular Health Drink, superior to all Mineral Waters. Sold in Packets, 1½d. each; Boxes of 13 packets, 1/8.

Wholesale Prices on application. Sample Box 1/6.

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CHELTINE MILK & MALTED FOODS

No. 1. from birth to five months.

No. 2. from five months onwards.

No. 3. for Invalids, Dyspeptics, the aged,

and those with enfeebled digestions.

Experience is proving, and medical men are testifying to the value of these perfect Foods.

Terms and full particulars from

THE CHELTINE FOODS CO., CHELTENHAM.

Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND
PROTECTED PRICES.Food for Babies, Prepared Barley,
N. F. Cocoa, Biscuits, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

SPECIAL NOTICE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return.

NATURAL FOOD COMPANY, Ltd.,
Cambridge Road, Bethnal Green, LONDON, E.All advertising matter—Booklets, Window Displays
Showcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

FINAL NOTICE.**5% Cash Bonus
For Retailers
again this year.**

We have pleasure in announcing that we are again offering a 5% cash bonus on the *gross value* of all orders for Bovril received up to November 15th, 1919 (goods at net prices excluded).

Owing to shortage of bottles and other supplies the Company cannot guarantee to complete delivery of the Bonus orders received before the end of the current year. A proportionate part of each order will be executed at once, and the balance delivered as early as possible next year, but all orders placed and accepted by November 15th will rank for Bonus, provided the conditions are duly complied with.

*For full particulars of trade terms, apply to
Bovril, Ltd., 148-166, Old St., London, E.C.*

BOVRIL

"Prana" SPARKLETS

"B" & "C" Bulbs
can now be sent
promptly on receipt
of order.

"C" Bulbs may be used
instead of "D" Bulbs without
any alteration to the Syphon.

PRICES.	Trade doz. boxes	Retail (P.A.T.A.) each
"C" Bulbs (box of 12) ...	33/-	3 6
"B" Bulbs " " ...	22/-	2 4

Aerators, Ltd., Edmonton, N. 18



BURROW'S MALVERN TABLE WATERS

—STILL AND SPARKLING—

have long been known as the purest and softest waters obtainable. Their source—the St. Ann's Spring Malvern—is situated high up on the side of the Worcestershire Beacon, at a height of 820 feet above sea level, and free from all possible cause of contamination.

Full Particulars and Trade Terms from
W. & J. Burrow, Ltd., The Springs Malvern.
Temporary London Offices: 5 Norfolk Mews,
Paddington.
Phone: Padd. 1810.

LISBON SWEET WINES.

Red and White, 29% Spirit, lying
London suitable for manufacturing
purposes.

Price 14/- per gallon, duty paid and
delivered.

Casks extra, samples on application to—
IMPERIAL SERVICE WINE ASSOCIATION, Ltd.
30 Mark Lane, E.C.3.

Vinum Xericum

BUTTS.	HOGSHEADS.	QR. CASKS.
108 galls.	54 galls.	27 galls.

STRENGTH 17°

James V. Oldham

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Telephone: Avenue 3013.

LOFTHOUSE & SALTMER, Ltd.

Wholesale and Export Drug Merchants,
Manufacturing Chemists

HULL.

INVITE the Trade to take up the following valuable
P.A.T.A. Protected Lines, bearing a large Pro-
tected Retail Profit, which sell freely and are
well known and valued by the Public in many parts
of the country.

	P.A.T.A.	Protected Retail Price.	Dozen Net.
* LOSALL'S SALT (well advertised), tins	10d.		7/-
* " " " " "	1/7		13/6
* " " " " "	bottles in cartons	2/-	18/-

Losall's Salt sells so well, surely it
must pay Pharmacists to stock such
a big profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

	Box.	Doz.
A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box at 9d. each tablet.	2/3	21/-

GOLD SEAL BLOOD WINE

(Vin Ferri Citratis, B.P.)

A really valuable tonic, pleasing to the palate. Can be sold by all registered Chemists, (with or without Wine License) at any time of the day; Licensed Grocers and Wine Merchants can only sell during the hours permitted for the sale of Wines.

42/- per doz. bottles. Retail 4/6
23/- " " " " " 2/6

HAWORTH & AIREY,

Wine Shippers, BURY, LANCS.



WINOX WineFood

is a high-class Pharmaceutical preparation containing all the food elements of Wine, Meat, Malt and Unfermented Grape Juice
(Wine Licence Required)

Unsurpassable for Influenza; invaluable for Anæmia, Lassitude, Neuralgia, Nerve and kindred troubles.

Wincox will stand any climate, and contains no harmful drugs.

Price 5/6 per bottle retail. Chemists who do not already stock Wincox should apply for price to WINOX LTD., Richmond, Surrey.

Osmos

The Great British Aperient Water

Osmos is the only water known to be identical in composition and osmotic properties with the alien water Hunyadi Janos.

Osmos is highly recommended by the Medical Profession.

Osmos is steadily advertised in the Press.

Osmos is on the P.A.T.A. list and yields a fair profit.

Terms on Application.

Osmos, Crown Wharf, Hayes, Middlesex

P.A.T.A.

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REGD.

SPECIAL PRICES FOR
IRELAND

LIQUID NERVE TONIC

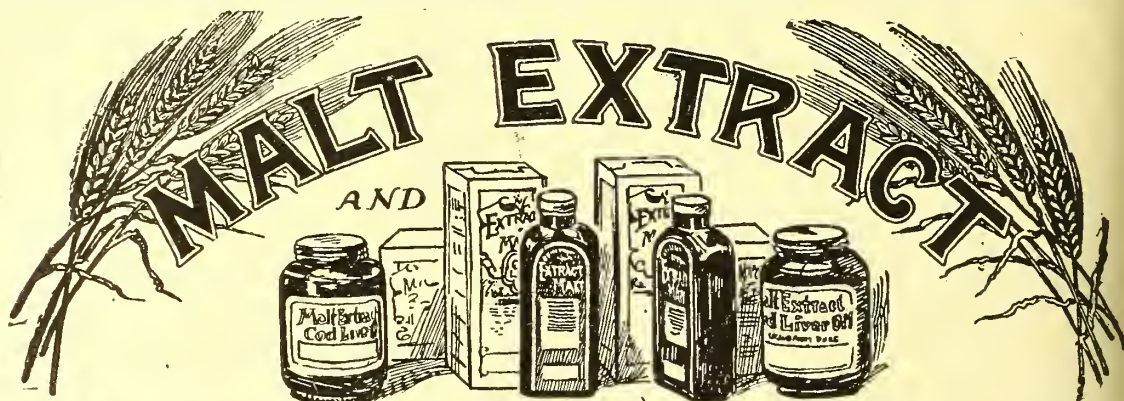
11/- per doz.—SELLS AT 1/3 ea.

24/- " " " " 2/9 "

45/- " " " " 5/- "

Orders
Executed
per Return.

2½% discount on 45/- parcels, cash with order. Attractive showcards and counter bills.
CURACEA CO., ELM GROVE, LONDON, S.E. 15.



MALT & COD LIVER OIL

Prepared only from the finest East-Coast Barley, Combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lbs. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 gross and upwards.

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TELEGRAMS:
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London Office: 1 LEADENHALL STREET, E.C.3.

Medicinal
non-freezing

COD LIVER OIL

FROM STOCK.

K. MALMBERG,

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AND AT NEW YORK

Telegraphic Address:
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Telephone No.:
City 6321.

Extract of Malt and

Cod Liver Oil

IN BULK, JARS OR TINS.

Prices on application.

THE
BRITISH DIAMALT CO.

BISHOP'S STORTFORD.

Proprietors { H. A. & D. D. TAYLOR
H. D. & C. T. TAYLOR

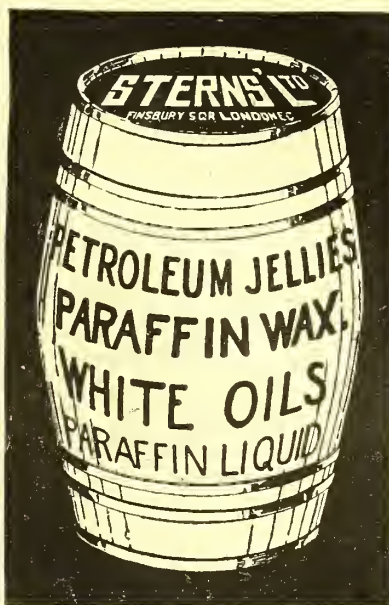
RUBY
GREEN
YELLOW

BRILLIANTINE OILS

Any Quantity—from Stock.
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(Two Words only.)

We offer

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PETRO. JELLY

LIQUID PARAFFIN

B.P.

WHITE OILS

Send us your inquiries.

J. J. FRANCES & SONS,
LIMITED,
80a Southwark St., LONDON, S.E. 1.

GUARANTEED PURE

OLIVE OIL

Finest Edible.

Pharmaceutical

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10-11 LIME STREET,
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WE SOLICIT YOUR ENQUIRIES FOR:—

OLIVE OILS, finest cream edible B.P.
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 LINSEED OILS, Raw and Boiled
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NEUTRAL OILS,
DEBLOOMED AND UNDEBLOOMED

PALE & RED LUBRICATING OILS

CYLINDER OILS,
STEAM-REFINED, FILTERED

WHOLESALE ONLY

W. J. SMITH

Sole European Representative

The JAMES B. BERRY'S SONS CO. Inc.

110 CANNON STREET, LONDON, E.C. 4

"RAYOLENE" BLACK JAPAN

The ideal preparation for Cycles, Fire Ranges, Mail
Carts, Gas Stoves, etc. Free from methylated spirit.

	9d. tins	1-pints	pints
RETAIL PRICES	9d.	1/6	2/9
WHOLESALE ...	6/6	12/6	24/- per doz.

(See Special Offer below.)

"RAYOLENE" OIL VARNISH STAINS

Entirely replaces methylated spirit preparations.
Dries hard in about eight hours with a lustrous and
durable gloss. Made in Oak, Walnut and Mahogany.

	9d. tins	1-pints	pints
RETAIL PRICES	9d.	1/6	2/9
WHOLESALE ...	6/6	12/6	24/- per doz.

SPECIAL OFFER.—One box, containing 8 doz.
9d. tins (or 4 doz. 9d. and 2 doz. 1/6 tins), your
selection, carriage paid, box free, for 48/- net; 3-box
lots, less 5 % discount. Write for complete Price List.

TEXALO MANUFACTURING CO.

*Paint & Varnish Manufacturers,
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CROSFIELDS' CHEMICALLY PURE GLYCERINE. PYRAMID BRAND.



The finest Glycerine obtainable for medicinal purposes. Absolutely pure. Guaranteed to stand all the tests of the British Pharmacopœia.

IN 14#, 28# & 56# TINS. (WOODEN CASES.)
1, 2½, 5 & 10 CWT. DRUMS. (RETURNABLE)

JOSEPH CROSFIELD & SONS LTD - Chemical Manufrs. WARRINGTON.

Langley-Smith & Co.

Castor Oils, *Medicinal,
Lubricating.*

Colza Oils, *Best Pure,
Prepared.*

Linseed Oils,

*Best Raw,
Double Boiled,
Refined.*

Turpentines,
Best Pure Spirits.

Substitutes,
Best Grades.

Samples and Prices on Application.

**14-20 St. Mary Axe
London, E.C. 3**

Telegrams—"Tallowdom London."

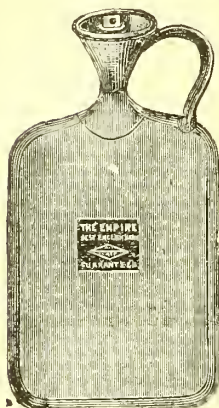
Tel. No.—Avenue 3820.

PURE CASTOR OILS

HOT WATER BOTTLES AND AIR CUSHIONS

THE "EMPIRE" BRAND

One Quality only—THE BEST, Guaranteed for 2 years.



	Sizes	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Heavy weight	each	4 0	4 4	4 8	5 0	5 6	6 0	6 3	7 0
Covers, scarlet or grey plush	"	1 5	1 8	1 10	2 0	2 2	2 8	2 10	3 3

Fig. 1194. The "EMPIRE" Red Indiarubber Air Cushion.

	Sizes	14	15	16	17	18	19	20 ins.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Circular Shape	each	8 0	9 0	10 0	11 0	12 0	14 0	16 0
Square shape	"	12 0	13 6	15 0	16 6	18 0	19 6	22 0

Fig. 957.—Side Handle.

5% discount allowed for prompt cash off above prices.

We are the right House for **BRITISH-MADE GOODS**—Anti-Rheumatic Rings, Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Pessaries (Quinine), Rubber Sponges, Splints, Sponge Bags, Tooth Brushes, Trusses, Water and Air Beds, Water and Air Cushions, Waterproof Sheetting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE.

OUR GOODS ARE RIGHT.

MONEY BACK IF NOT SATISFIED.

BURGE, WARREN & RIDGLEY, LTD.

91 & 92 GREAT SAFFRON HILL, LONDON, E.C.1.

RELIANCE



Moulded-Seamless Hot Water Bottle

The big profit maker and the most beautifully finished and attractive piece of Rubberware made.

It is moulded in one piece, without seam or join; has no uncomfortable rigid side flanges; has a larger capacity than any other bottle of its size; and has the original patent oval safety neckpiece, which never leaks. Handsome maroon colour.

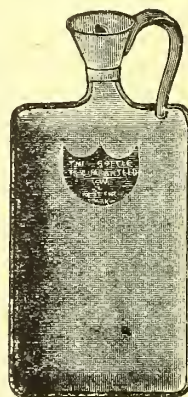
If you have not yet sold this bottle, write for samples and copies of "Rubberware Sales" Reliance Bulletin Sales Service, which will assist you to increase your sales.

Reliance Moulded-Seamless, price 7/6 each retail.
Reliance De Luxe " 10/6 " "
Reliance Baby De Luxe " 4/6 " "

These are the best and fastest selling bottles in the trade. Ladies buy them before all others. Don't fail to see samples at once.

RELIANCE RUBBER COMPANY
LIMITED

212-213 Upper Thames Street London, E.C.4.
Telephone City 2391 (Two Lines) Telegrams: Doornop Cent. London.



VINCENT WOOD'S

(GOLD MEDAL, GUARANTEED)

Hot Water Bottles

6/6 lb. 12×8 weighs under 13 oz.

Covers for same, assorted sizes, 21/- doz.

**BELTS TRUSSES
SUSPENSORIES
& Surgical Appliances**

AT LOWEST CURRENT RATES

91 & 93 Newington Causeway,
London, S.E. 1.

PURE WHITE INLEAVED ABSORBENT

COTTON WOOL in Packets

1 lb., 1/3; 8 oz., 1/4; 4 oz., 1/5; 2 oz., 1/7; 1 oz., 1/8 per lb.
Quantities 1-1 cwt., special prices, carr. paid. Pure Mag.
Carb. Levis, B.P., and Rice Starch Powder. Terms—Cash
with Order.

J. L. STANSFIELD, Chemist, Boothfold, Waterfoot, nr. Manchester.

42/6

BARDSLEY'S No. 96 SACK TRUCK

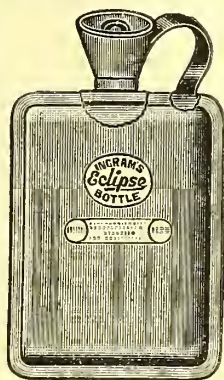
CASH.
CARRIAGE PAID
PASSENGER TRAIN

BARDSLEY'S, Frinton-on-Sea.
THE TRUCK SPECIALISTS.

INGRAM'S

"Eclipse"
REGD

**HOT
WATER
BOTTLE**



"Eclipse"
REGD

**THE
PERFECT
BOTTLE**

Ingram's High-grade "Eclipse" Rubber Hot-Water Bottles are well known throughout the world for their reliability and construction; they have, as a result of the careful scientific manufacture, the distinct advantage of being suitable for use in any climate.

All "Eclipse" Bottles are now fitted with two important inventions—the Patent Rubber Covered Screw Stopper (No. 107940), and the Patent Constructed Neck (No. 118022).

The object of the Patent (No. 107940) Rubber Covered Screw Stopper is to overcome the loss of washer and leakage. A glance at Fig. 1 shows the sectional view, the black solid parts representing the rubber covering gripping (1) the brass flange making it a fixture, so that no loss of washer is possible, the broad solid seating (2) when the stopper is screwed down renders it **ABSOLUTELY WATERTIGHT**.

The effectiveness of the Patent Constructed Neck can be clearly seen by a comparison of Figs. 2 and 3. In addition to overcoming the old trouble of leaky necks, the new formation of the socket enables the bottle to be easily filled and without any fear of "splashing."

The socket is also secured from working loose by an ingenious method, the rubber being connected in sections right through the brass socket, forming the neck and socket into one solid piece.

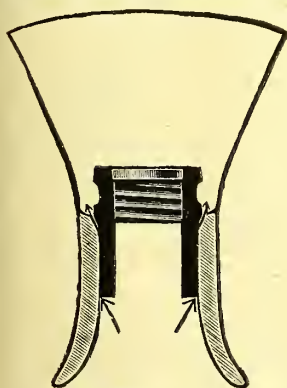


Fig. 2.

This sketch shows where, in course of time, the action of water permeates, between the brass socket and rubber, causing leakage.

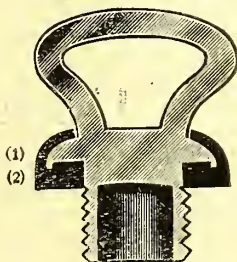


Fig. 1. Patent No. 107940

Size, inches

10x6 10x8 12x6 12x8 14x8 12x10 14x12 16x12

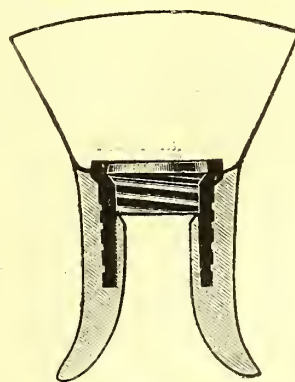


Fig. 3.

The Patent Constructed Neck (No. 118022) shows the brass socket embedded in rubber, rendering it now impossible for water leakage to occur.

J. G. INGRAM & SON, LTD.

THE LONDON INDIA RUBBER WORKS, HACKNEY WICK, LONDON, E.9

ESTABLISHED 1847



Improved HOT WATER BOTTLES

THE
"Ronoleke"
British Made.
Requires no
Washer.
Note the
Patent Neck
and Stopper.
Guaranteed
never to leak
unless wilfully
damaged.

High-grade
Moulded Red
Hot Water
Bottles.
Superior
Quality.
Strong and
pliable.
Each Bottle
boxed singly.
Made in
2 Sizes.

**The Thames
Rubber and
Leather Co.**

199 UPPER THAMES ST.,
LONDON, E.C. 4.

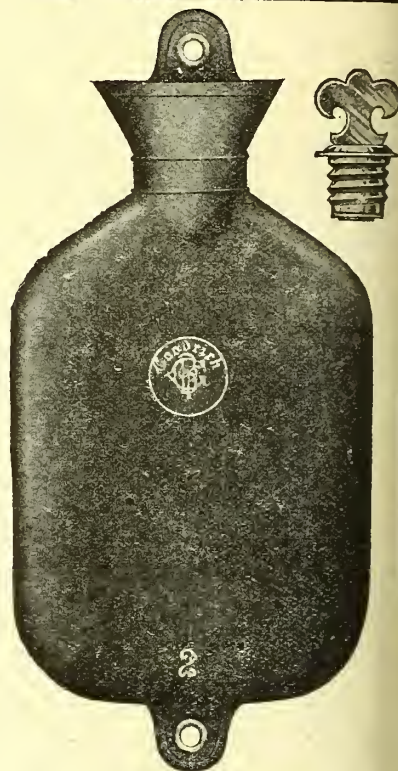
Established 1851.

Telephone: 7226 Central.

Telegrams:

"Thames Rubber, Cannon, London."

Write for Prices



RUBBER CORKS IMPORTANT

It is not generally known that Corks made of Rubber are to-day 25% cheaper, are more serviceable, reliable, and give greater sealing facilities than any other kind. We specialise for the requirements of the Chemical Trade, and manufacture all standard sizes.

	Drab	Drab
	Ammonia Proof.	Acid Proof.
Prices for 8-oz. Bottles ...	3/3	4/3 per gross
" 16-oz. " ...	4/9	5/9 "

Other sizes—Prices on Application.

SPECIAL PRICES FOR LARGE QUANTITIES.

We also manufacture BUNGS for ½-gall.
and 1-gall. Jars.

RED & BLACK RUBBER CORKS of
the Best Quality for Laboratory use.

Inquiries Solicited.

Garden City Rubber Company

*Manufacturers of all Rubber Specialities
for Medical, Chemical & Laboratory use,*

Letchworth, Herts.

Telephone: Letchworth 54. Telegrams: "Rubber Letchworth."

KUTSEAL THE LIQUID COURT PLASTER ALL-BRITISH

Minimum Retail Price

1/3

Wholesale Price

11/6
PER DOZ.

CARRIAGE PAID on ORDERS of 30/- upwards.
2½% DISCOUNT for CASH in 7 DAYS.

Sole Makers—

THE KUTSEAL CO., BLACKPOOL

"Shurekure" Chilblain Pencil.

It's worth your while to stock it.

Pleases your Customers. Gives you a big Profit.

R. H. ALLEN & CO., *Manufacturing
Chemist.*
122/124 Wells Rd., Sydenham, London, S.E.26.



Business built on quality
is the most substantial.

THE
Silvertown

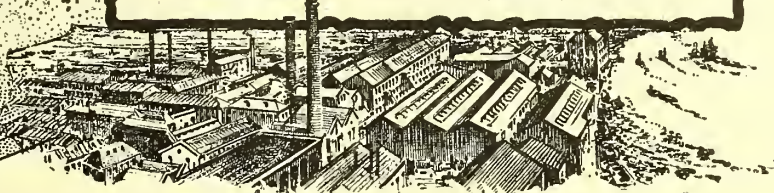
HOT WATER BOTTLE
is the product of over 60 years'
experience of rubber manufacture

Please send us your inquiries.

The India Rubber, Gutta Percha & Te'graph Works
(The Silvertown Company) Co. Ltd

HEAD OFFICE:
106 Cannon Street, London, E.C.4.

WORKS:
Silvertown, London, E. 16.



Just Arrived.

A Limited Consignment of
THE

"PORTIA"

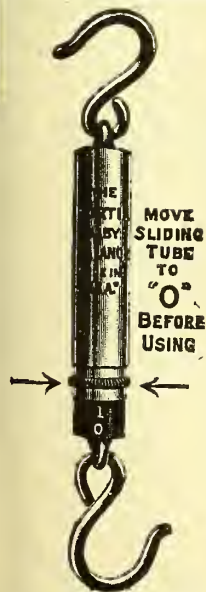
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NET WEIGHT
Baby Balance

Weights up to 15 lb.

Price	Retail
30/-	3/6
dozen.	each.

Owing to restricted imports this line has been off the market for some time, and we think that many friends will be glad of the opportunity of renewing their stock.



SOLPORT BROS., Ltd.

184 to 190 Goswell Rd., London, E.C.1.

Obtainable through all Wholesale Houses.

50% ON COST
33 1/3% ON SALES

guaranteed by selling the

'Pryma' Nail Clipper



The finest Nail Clipper on the market. British manufacture throughout of finest quality steel. Heavily nickel-plated, and perfect finish. Delivery from stock, fastened 12 or 24 on card. Sells at sight, and gives satisfaction to Chemist and customer alike.

16/- doz. Fixed price 2/- each.

Write to-day for Sample Card to

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Telegrams:
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Phone:
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Stocks held in Ireland by
MAY & CO., Victoria Buildings, Victoria St., BELFAST.



For a show of 'Verisan' Chest Protectors you cannot choose the wrong day now — the display will pull good business. Get in stocks, and be ready for the demand of chilly, foggy winter days.

Verisan

**Capsicum
Chest Protectors**

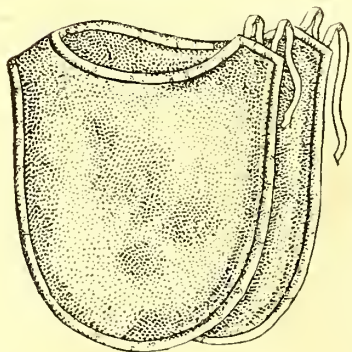
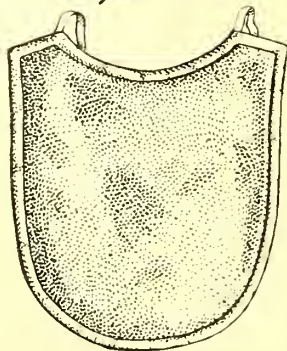
Note prices below, and profit margin.

No. 1 Size, Single,	9d. Retail.	6/-	per	dozen	Wholesale,
Double,	1/3 Retail.	10/-	per	dozen	Who'sale,
No. 2 Size, Single,	1 1/12 Retail.	9/-	per	dozen	Wholesale.
Double,	2/- Retail.	16/-	per	dozen	Wholesale.
No. 3 Size, Single,	1/6 Retail.	12/-	per	dozen	Wholesale.
Double,	2/9 Retail.	22/-	per	dozen	Wholesale.

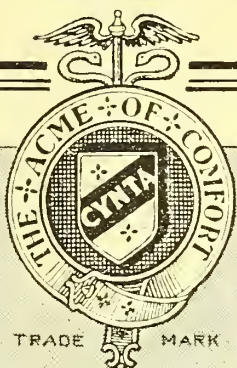
Less 5 per cent. for cash in *seven days* ; otherwise strictly net.

Carriage paid on parcels to value of 27/-

The Verisan Co., Mnfg. Chemists,
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Antiseptic.



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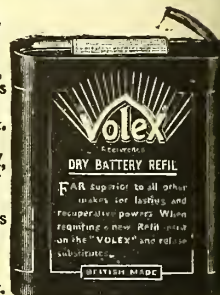
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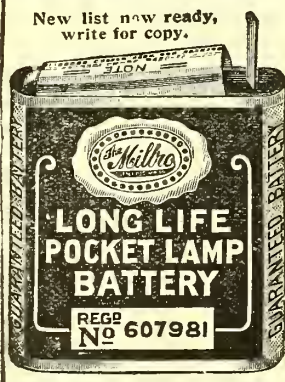
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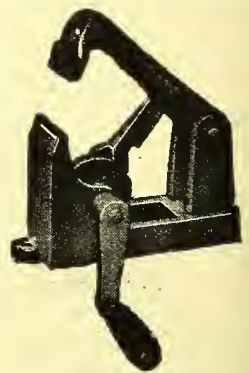
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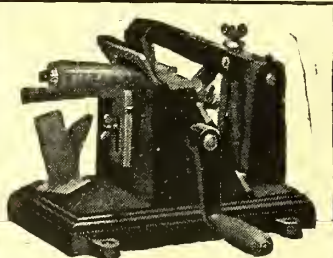
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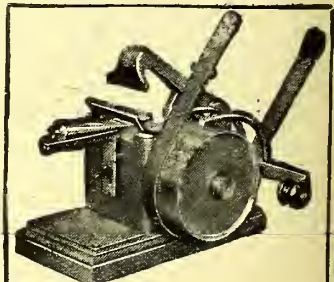
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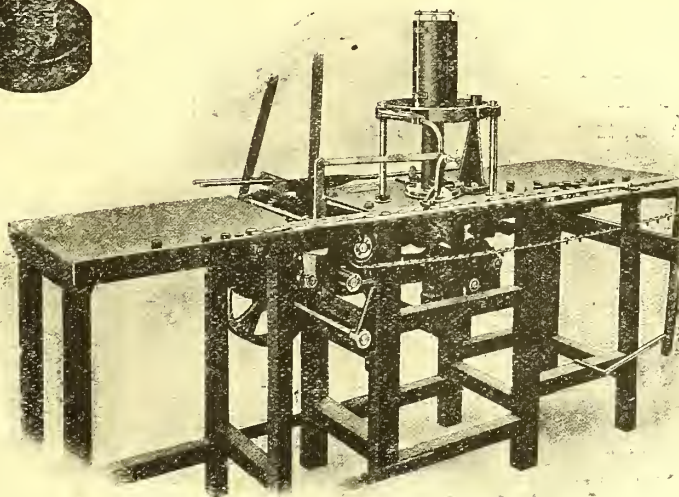
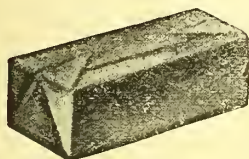
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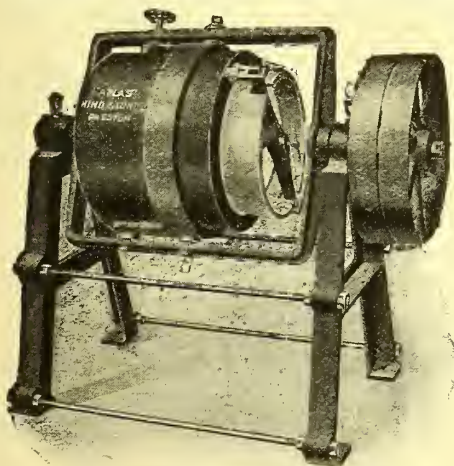
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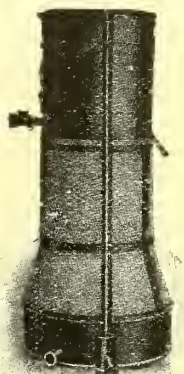
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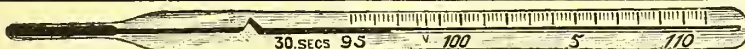
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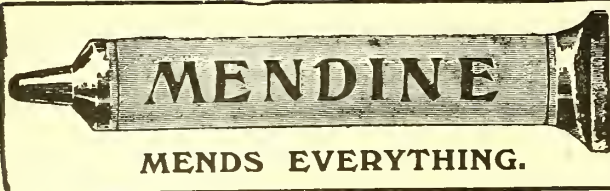
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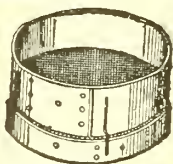
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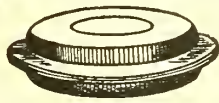
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SUPPLEMENT

42 CANNON ST.
LONDON, E.C.4.

NOVEMBER 8, 1919

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4s. 6d. for 50 words or less : 6d. for every additional 10 words or less, prepaid.

HAMPSHIRE.—Seaside town, for immediate disposal, reason ill-health, modern cash Business; well-fitted shop; heavy stock; increasing trade; little N.H.I.; Photography this year £400; Medicated Wine licence; returns £3,000; premises for sale if desired. Apply 167/11, Office of this Paper.

£750 BUYS Premises (House and Shop), including stock, fixtures, etc., of a Chemist's Business in a large North-East Coast town; established 33 years; well stocked, well fitted; good reason for leaving; takings £750; N.H.I. 2,500; no reasonable offer refused. Apply in first instance to 168/22, Office of this Paper.

FOR SALE.

4s. 6d. for 50 words or less : 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

FOR Sale, plate-glass Window Shelves, ground and polished edges, each about 5 feet long, two 9 inches wide, two 12 inches wide, two 14 inches wide—these two are saddle-shape front; heavy glass and unscratched. Ettles, Newington, North Kent.

ONE lever Tube-filling Machine for Sale; two-gallon container; never been used; £6 15s. 82/24, Office of this Paper.

QUIN. Sulph., 34 oz., 4s. oz.; Pot. Citras, 4 lb., 5s. 6d. lb.; Bism. Subnit., 2 lb., 12s. 6d. lb.; India-rubber Corks, 3 oz., 150 gross, 2s. 6d. gross; 2-gall. heavy Copper Water Still for gas, as new, £3. Apply 167/14, Office of this Paper.

TOOTH Brushes; about two gross, pre-war; 5s. 6d. dozen; sample one 7d., post free. Beer & Sons, Chard, Somerset.

TYPEWRITER for Sale, Hammond, with Ideal keyboard, in good condition; £5; also Chemical Balance to weigh to mgr., including set analytical weights 50gm. down; £10. W. Martindale, 10 New Cavendish Street, W.

PREMISES WANTED.

HOUSE wanted in London; North preferred.—Has any Chemist a House, Flat, or Rooms over Pharmacy (unfurnished) which he would let to Chemist holding a position in Wholesale? If required, evening or week-end help would be given in part payment; highest references, Wholesale and Retail. P. C. B. 5/33, Office of this Paper.

PARTNERSHIPS.

ADVERTISER, 35, with capital and good all-round experience, desires to meet another (preferably qualified) with view to Partnership if suitable business or opening can be found, either Retail or Manufacturing; highest character and references necessary; full particulars in confidence; state if married. Apply 166/21, Office of this Paper.

PARTNER wanted by small Manufacturing firm in London; experience in the manufacture of Varnishes, etc., essential. Apply, with full particulars and references, to P. C. B. 5/31, Office of this Paper.

SITUATIONS OPEN.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

ADVERTISER may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

RETAIL.

BRADFORD.—Junior Assistant wanted for quick Cash, Retail, and Dispensing; hours 8.30 to 8; Wednesday 1 o'clock; no Sunday duty; state age, height, and salary required (outdoors); and enclose photo if possible. Apply 169/9, Office of this Paper.

CARDIFF.—Smart Junior wanted. Apply, enclosing two references, salary required, and usual particulars, to Frank Edwards, Ltd., 192 Cowbridge Road, Cardiff.

CHARING CROSS HOSPITAL, W.C. 2.—Assistant Dispenser (male) required, Minor qualifications; salary £200. Applications to be sent to the Pharmacist at the Hospital.

COUNTY HOSPITAL, YORK.

WANTED, a DISPENSER, must possess the Minor qualification. Applications, stating age, together with copies of three recent testimonials, to be sent to the undersigned not later than the 19th instaut. Dinner and tea provided. Arrangements could also be made for a female officer to live in, and candidates should state salary required in either case.

FRANK NEDEN,
Secretary and Manager.

CROYDON.—Capable Assistant, not necessarily qualified, for general Retail and Dispensing. Apply, stating experience, salary, and references, "Chemist," 77 High Street, Croydon.

EAST DEREHAM.—Wanted, Junior Assistant for good-class country business; knowledge of Photography; please state salary required and references. Edward Peck, Chemist, East Dereham, Norfolk.

LONDON, N.W.—Qualified Junior Assistant wanted for Dispensing business (outdoors). Apply, giving full particulars, Peter Davidson, Ph. Chemist, 342 High Road, Brondesbury, N.W. 6.

LONDON, S.E.—Assistant for Dispensing and General Retail; capable and accurate; Minor qualification. Apply, stating salary and references, etc., "Chemist," 77 High Street, Croydon.

LONDON, W.—Part-time Assistant required at once, accustomed to good-class Retail and Dispensing. Particulars to H. F. Stapley, Moore & Co., 45 Craven Road, Lancaster Gate, W. 2.

LONDON METROPOLITAN, ESSEX.—Assistant for Counter and good-class suburban business; good salary; please state age, experience, and salary expected, and enclose photo if possible. A. & N. Catto, 49 Cranbrook Road, Ilford.

MANCHESTER (immediately).—Manager for Branch; working class and N.H.I.; must be quick Dispenser and good Salesman. Please state full particulars in first letter, 169/19, Office of this Paper.

MANCHESTER.—Wanted, Junior Assistant for quick Cash trade and N.H.I. Dispensing; willing and obliging; send full particulars and salary required by first letter. Beal, 446/8, Rochdale Road.

NOTTINGHAM (Near).—Wanted, a smart Junior; outdoors; good mixed-class business. Write fully, age, salary, etc. Herbert Jackson, Ucal Pharmacy, Sandiacre.

POTTERIES.—Elderly qualified Chemist for Light Retail Business; very easy berth; suit invalid or man seeking high employment; must be reliable and have good references; give usual particulars, salary required (outdoors), and when disengaged 169/24, Office of this Paper.

ST. GEORGE'S HOSPITAL, S.W. 1.—Required, Junior Assistant Dispenser; Pharmaceutical Society's qualification; ladies ineligible; salary £150 per annum; hours 9 to 5; Sunday duty every third, about 2 hours. Applications, with references, the Pharmacist.

SHREWSBURY.—Assistant; outdoors; close Monday, Tuesday, Wednesday, Friday 7 p.m., Thursdays 1 p.m., Saturdays 8 p.m.; no extra duties; please give full particulars of experience and salary required in first letter. A. Williams, M.P.S., Castle Street, Shrewsbury.

SHEFFIELD.—Unqualified Junior for Counter and Window outdoors; no Sunday duty; please give full particulars of experience, age, salary required, and enclose photo. H. Williams, 118 The Moor.

SHEFFIELD.—Junior Assistant; must be quick, neat, and accurate Dispenser and accustomed to high-class business. Apply, with full particulars, age, height, experience, salary, references, Eardley & Furnival, Pharmaceutical Chemists, 2 Glossop Road, Sheffield.

SOUTHSEA.—Unqualified Assistant; Counter and Dispensing. Apply, with references, stating age, salary required, when at liberty, to Arnold & Sons, Chemists, King's Road.

TORQUAY.—Improver or Junior required (gentleman); 18-20, for high-class Retail and Dispensing business (outdoors). Apply, stating age, experience, and salary required, H. F. Bourne, 11 Strand, Torquay.

WEST KENSINGTON.—Thoroughly experienced, capable, energetic unqualified Assistant required for good-class business; a good Dispenser and Counterman essential. Please apply with fullest particulars, salary, etc., to Manager, 1 Baron's Court Road, West Kensington, W. 14.

A COMFORTABLE berth offered to a gentlemanly, reliable business man, with good prospects; age about 30, in medium-class Store business; must be qualified; Croydon district; vacancy. Send full particulars, age, height, and salary required to 168/21, Office of this Paper.

ASSISTANT wanted (male) for a few weeks from December able to Extract and Prescribe; one other kept; near Croydon Station. Apply "Denture" (163/27), Office of this Paper.

ASSISTANT; qualified or unqualified; temporary or permanent. Apply personally, or write full particulars, to B. H. & Co., Chemists, 43 King William Street, London Bridge, E.C. 4.

JUNIOR or Improver; state age, salary required (outdoors); experience Counter, Dispensing, etc., full particulars in first letter. Salter, Chemist, Southall, Middlesex.

JUNIOR or Improver wanted with knowledge of Photography indoors; reply with usual particulars, salary, references, etc.; also gentlemanly Apprentice. Apply Bayley, Downs Pharmacy, Herne Bay.

MANAGER, qualified for branch; used to quick Cash Retail with N.H.I. Dispensing; no Sunday or Bank Holiday duty. Chas. Thompson & Sons, Chemists, 169 Stratford Road, Brixton, S.W.

QUALIFIED Assistant wanted beginning of New Year or good all-round country business in Wiltshire; Dispensing, Counter, etc.; easy hours; no Sunday duty; age about 30; Junior kept; state particulars. Apply 166/36, Office of this Paper.

QUALIFIED Assistant, male or female, for a small Branch business; good-class Light Retail and Dispensing; easy State experiences and salary required to Prebble & Bone, Slough.

MART Assistant, unqualified; good Counterman, Dispenser, neat Writer, and Window-dresser; permanent and progressive position to right man. Apply, giving age, experience, copies of references, salary required, and enclose photo, which will be returned. 168/14, Office of this Paper.

TEMPORARY Assistant Dispenser (male) wanted at once; Minor qualification of Pharmaceutical Society essential. Applicants, stating salary required, to be addressed to the Dispenser, St. Mary's Hospital, Paddington, W. 2.

UNQUALIFIED Assistant wanted for good-class country Retail business; outdoors; no Sunday duty; comfortable berth for pet and reliable man; should be a permanency. Please state experience, salary, and particulars, to Bates & Hunt, Wellington, S. p.

UNQUALIFIED Assistant wanted (at once), with good experience; age about 30. Full particulars to L. E. Wixey, Northworth, Glos.

WANTED, qualified lady Dispenser for Doctor in Greenwich. Apply P. C. B. 4/26, Office of this Paper.

WANTED, a qualified Assistant; about 26. Williams & Elvey, 8 West Halkin Street, S.W. 1.

WANTED (immediately), youth as Stockkeeper; one accustomed to handling Chemists' Goods and Patent Medicines. Apply the Manager, Heppell's, 78 Strand, W.C.

WHOLESALE.

Id., for 50 words or less; 6d. for every additional 10 words or less, prepaid.

the Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

CASHIRE.—Wanted, the services of a gentleman having Counting House experience with Wholesale Druggists; to some, state qualification for the post; initial salary £250. 980, Office of this Paper.

FIRM of Manufacturing Perfumers wishing to establish a factory in Paris desire to get in touch with a man to run he must know Paris and French, and be prepared to invest £10,000. Apply "O. P. Q." (149/5), Office of this Paper.

MANUFACTURING firm, with premises in the centre of London, having 9 Travellers working the United Kingdom, several Foreign Representatives, is open to undertake the representation of first-class manufacturers, either of home or foreign goods not clashing with their own productions. Apply Office of this Paper.

CEMIST, experienced in materials for porcelain enamelling on; good and permanent situation to suitable man. Apply 10, Ashburners Agency, Piccadilly, Manchester.

CEMIST Representatives wanted with connection in Yorkshire, so London and district; excellent opportunity for live experienced men. Full particulars to 160/15, Office of this Paper.

CEMIST, manufacturing experience, required to develop a department; must have knowledge of Household and Toilet Preparations, Face Creams, etc. Full particulars, age, terms, 160/19, Office of this Paper.

CEMIST wanted, with experience in the preparation and packing of medium and high-class Perfumes, Toilet Presses, Tooth-pastes, etc. State age, experience, and salary required, to Cussons, Sons & Co., Ltd., Kersal Vale Works, Manchester.

EXPERIENCED Export Packer and Warehouse Foreman wanted; demobilised man preferred; give full particulars to R. H. E. Stevenson & Co., 122 Great Suffolk Street, E.C. 4.

FIRST-CLASS Representative required, with knowledge of Perfumery and Packed Goods, for the Irish and Scotch ground. Apply, stating age, experience, and salary required, to Cussons, Sons & Co., Ltd., Kersal Vale Works, Manchester.

HEAD GRANULATOR WANTED.

Applicants must be first-class men and capable of taking complete control of department. Write in confidence, giving particulars of experience, age, and salary expected, to Wigglesworth, Ltd., West Houghton, Lancs.

LABORATORY man, experienced, and capable of looking after small steam laboratory, wanted by provincial firm; good wages given to steady and industrious man seeking a permanency; give details and experience, etc. Apply 167/40, Office of this Paper.

MANAGER, qualified preferred, wanted for Northern Wholesale Chemists; must be able to control staff and be thoroughly acquainted with the manufacture of Galenicals and some knowledge of Compressed Tablets; first-class salary given to trustworthy and capable man. Apply, stating age, experience, and salary required, 167/4, Office of this Paper.

PHARMACEUTICAL Chemist, qualified (Major man preferred) required for Laboratory, with good experience of Organo-Therapeutic Products, Hypodermic Solutions, and Tablet making. Apply, giving full particulars, to Evans Sons Lescher & Webb Ltd., Crofton Lodge, Higher Runcorn, Cheshire.

REPRESENTATIVE; live man, with knowledge of Drug trade, for Northern and Eastern Counties. State fully former positions, terms, and age (confidential), 169/18, Office of this Paper.

REQUIRED (immediately), Representative for well-known London Perfumery Manufacturers; must have sound connection with Chemists and Hairdressers and produce undeniable references; good salary and commission to smart man. Apply, in first instance, 5/38, Office of this Paper.

REQUIRED, for Export Department of provincial house, Clerk, with knowledge of the trade. Apply, with full details of experience, salary, etc., 84/3, Office of this Paper.

SHAMPOO Powders.—Man wanted; used to mixing, also for making, Toilet Goods. Full particulars to 83/44, Office of this Paper.

STOCKKEEPER and Assistant Buyer required for Wholesale Chemist's Sundries Department in provincial town; young and energetic; please mention in confidence experience, references, age, etc. Apply 166/31, Office of this Paper.

TABLET AND PILL OPERATOR.—Wanted, an experienced worker, able to take full control of department, for a provincial house; must have good experience. Apply, with full particulars, including wages required, to 83/26, Office of this Paper.

TRAVELLER, experienced, wanted for Chemists' and Hairdressers' Sundries (London and suburbs); one who is prepared to invest small capital in business. Apply, in first instance by letter, to R. H. Myer, 27 Lansdowne Gardens, Stockwell, S.W. 8.

TRAVELLER for Glasgow and West of Scotland required by well-known firm of Wholesale Manufacturing Chemists. Full particulars as to experience, ground covered, age, and salary expected, 168/3, Office of this Paper.

TRAVELLERS calling on Chemists, etc., South Coast, West Country, Wales, North of England, Eastern Counties, can hear of a good side-line in well-advertised Toilet Preparations, on good commission basis only. 84/56, Office of this Paper.

TRAVELLERS, located at large provincial centres; order collectors not wanted; men who sell and open accounts with Retail trade in Soaps and Toilet Specialities of exclusive quality and popular prices; interesting and remunerative, but must have results; Sheldon students preferred. Write particulars, Palmolive Co., 124 Holborn, E.C.

TRAVELLERS, experienced, required for London and other districts with first-class connection amongst Chemists, Ironmongers, and Seed Merchants to sell high-class horticultural lines such as Sprays, Insecticides, Weedkillers, etc., manufactured by well-known firm; must be smart, serious-minded men of proved salesmanship. Reply, with full particulars in first instance, to "Traveller," c/o Pool's Advertising Service, 180 Fleet Street, E.C. 4.

WANTED, experienced Tablet Maker with knowledge of Coating. Apply G. Steven & Co., Cornbrook Works, Chorlton Road, Manchester.

WANTED (at once), experienced Wet and Dry Counter Hands (male or female); state experience and wages required. 168/26, Office of this Paper.

SITUATIONS OPEN.

4s. 6d. for 50 words or less; 8d. for every additional 10 words or less, prepaid.

(Colonial, Indian and Foreign.)

BRITISH EAST AFRICA.—Wanted, a qualified Assistant, about 25 to 30, with good knowledge of Optics and Photography; very healthy climate; easy duty; second-class passage paid out and home; three years' agreement; very good salary offered. Apply in first instance to P. C. B. 5/32, Office of this Paper.

CONTINENT.—Assistant Manager required in Factory producing high-class Medicinal Specialities, Toilet Articles, and Perfumery; unmarried; one used to machinery and modern methods; qualified preferred, but not essential; knowledge of languages not necessary; good opening for capable man; interview will be arranged in London early in November. Reply, with full particulars of experience, stating age and salary required, 166/300, Office of this Paper.

FEDERATED MALAY STATES.—Qualified Assistant; unmarried; must have good experience in Retail; terms, three years' agreement; salary £400, £450, £500 sterling per annum; passage paid (second class) out and home; short hours; good climate; the firm one of the largest in the East, and the position and surrounding country most attractive. Apply Dakin Bros., Ltd., 82 Middlesex Street, London, E. 1.

ITALY.—Wanted, good Laboratory Hand; unmarried; one used to the manufacture of Tablets, Pills, and Lozenges; state experience and salary expected. Apply 166/30, Office of this Paper.

MENTONE, FRANCE.—English qualified Assistant, unmarried, with London experience; from 1st January to 1st April, 1920. Apply, with all particulars and photograph, to C. J. R., Evans Sons Lescher & Webb, 60 Bartholomew Close, E.C.

STRAITS SETTLEMENTS.—Qualified Assistant; young and capable; unmarried; healthy climate; easy hours; four years' agreement; terms, first year \$250 per month, second year \$500 per month, third year \$500 per month, fourth year \$325 per month; passage paid out and home; excellent prospects for an adaptable man; candidates will be interviewed in London. Apply first by letter to Barker & Co., Ltd., 6 Laurence Pountney Hill, London, E.C. 4.

DISPENSING Chemist wanted for Ceylon; single; age 22-26; good pay and prospects. Apply by letter to G. E. Hudson & Son, 15 Dowgate Hill, London, E.C. 4.

WANTED, for Calcutta, thoroughly reliable Assistant, with good Dispensing and Retail (Store Methods) experience; single, abstainer, not over 25; knowledge of Photography; four years' engagement; salary Rs. 350, Rs. 375, Rs. 400, Rs. 450; passage paid out and home. Apply, with full particulars in first instance, to "Arcadia" (82/40), Office of this Paper.

WANTED, for Calcutta, qualified Assistant, with first-class Dispensing and Retail experience; single, abstainer, not over 26; four years' engagement; salary Rs. 400, Rs. 425, Rs. 450, Rs. 500; passage paid out and home. Apply, with full particulars, to "Chowringhee" (82/400), Office of this Paper.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

SITUATIONS WANTED.

1s. for 12 words or less; 8d. for every additional 10 words or less, prepaid.

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[HOME.]

RETAIL.

A.A.A. LONDON.—Qualified, married, 28, wants management with living accommodation; Manager present and previous situations, giving every satisfaction; experienced; good references; living accommodation sole for change; personal interview. "Pharmacist" (166/37), Office of this Paper.

A.A.A.—QUALIFIED Manager or Locum; permanency preferred; married; 38; 20 years' experience; middle-class Pharmacies; with good references; good Prescriber just successfully managed business 3 years, when it was a pleasure state terms and hours. "Aspirin," 27 Cleveland Road, Northampton.

A CAPABLE, unqualified Assistant, excellent references, recently demobilised, good Window-dresser, Salesman, peuser, seeks situation; Retail or Wholesale. Apply 166/35, Office of this Paper.

A YOUNG man (21), educated, and of good appearance, position with Chemist with view to learning the business London or S. suburbs preferred. Apply H. Miles Rees, Chelmsley, S.E.

A CTIVE and obliging, unqualified, 29, married, permanent; required; not afraid of work; Dispensing, Counter, Window-dressing; disengaged; Brighton or district. Robins North Road, Brighton.

A DVERTISER thoroughly recommends gentleman; Locum temporary; good Dispenser; can take charge; abstainer; terms moderate; disengaged. Apply 163/18, Office of this Paper.

A DVERTISER, fully-qualified Chemist, 20 years' good all-round experience, seeks post of responsibility, view to emigration; Optics and Dental; South Coast or South preferred. Reply "Energetic" (157/10), Office of this Paper.

A DVERTISER, qualified, middle-aged, desires position with progressive firm; good references and all-round experience; disengaged. Robson, 38 West Brampton, Newcastle, Staffs.

A DVERTISER desires responsible berth; Manager or Assistant preferably with accommodation; married; 20 years' experience; excellent references; age 37; unqualified; pleasant salary. Apply "Spes," 61 High Street, Guildford.

A DVERTISER, abstainer, unqualified, all-round experience; Dispensing, Photographic, seeks permanency; excellent references. 169/7, Office of this Paper.

A S good Window-dresser, Counter, Dispensing; qualified in graphics; 18 years' all round; relief if desired. "Crist," 78 Rockingham Street, Southwark.

A LL letters answered from S.W. London.—Student desirous of time Dispensing; passed Hall. K., 25 Webbs Road, W. 11.

A S Junior or Improver; lady, with four years' Retail experience in Scotch pharmacy; Preliminary, studying Minor. Address Miss Belharry, 9 Ranelagh Road, Willesden, N.W.

A S Locum or Manager; disengaged; 42; accustomed to London and thoroughly competent. Robinson, 1 St. Mark's, Regent Harrogate.

A S qualified Manager or Locum; 26; single; first-class experience and experience Photography; please state terms. "A. B. C.," 6 Smeathorne Lane, Castleford.

STANT, 39, tall, requires permanency; Dispensing; Counter, Optics, and Photography; disengaged. "Statim," 175 Highgate, Heaton, Bradford.

STANT (lady), unqualified, 25, desires post with Chemist Doctor; two years' experience; Manchester district preferred. Miss Lee, 175 Highgate, Heaton, Bradford.

STANT (lady), 21, good Counter, Dispensing, Prescribing, and Photographic experience, energetic and reliable, seeks agency; Brighton or district preferred, but not essential. Miss Tytherleigh, 65 Stanford Road, Brighton.

STANT (lady) requires post; four years' Counter and Photographic experience; South Coast preferred. Par-E. Martin, 42 Fore Street, Newquay.

STANT, accustomed to good-class Dispensing Business, seeks engagement immediately. Miss M. Peters, 25 Delvino-W. 6.

STANT; 32; tall; experienced in high-class Dispensing and Counter; first-rate references; unqualified. H. Staple, Liverpool Road, St. Albans.

STANT or Manager; qualified; 38; 16 years' qualified experience; good references; disengaged. Muir, 207 Barking, Manning Town, E. 16.

STANT; 26½ years; 5 ft. 9 in.; good references; 13 years' all-round experience; 4 years' Army Dispensing; disengaged. "Statim," 30 Arkwright Street, Bolton, Lancs.

STANT, 21, unqualified, desires post in London district; Dispenser and good Counterman. "Statim," 29 Bishop's Cleeve, S.W. 6.

STANT, unqualified, high-class London experience, Photography, desires situation, preferably in W. or S.W. London; references. 169/2, Office of this Paper.

STANT; qualified; reliable; highly experienced; speaks English and Italian; excellent references. 169/4, Office of this Paper.

STANT; 21; unqualified; thorough business training; Dispensing, and Photographic experience; disengaged. 169/21, Office of this Paper.

STANT.—Active young Assistant seeks situation; reliable Dispenser, with good Retail experience; whole or part time; highest references. "E. E. S. L., Berkley House, 17 Brompton Road, Bournemouth West.

STANT.—Qualified woman desires post with Chemist; good Dispensing and Counter experience. M. Hull, 51 Craubrook Road, Bristol.

STANT.—Advertiser, disengaged, 26, qualified, desires post in London district; good Dispenser and Salesman. "C. V. J., St. Michael's Hill, Bristol.

STANT Refractionist seeks position where ability and hard work are appreciated; own trial case; excellent references; preferred. "Rhei," 125 Lewisham Road, S.E. 13.

STANT'S Assistant; 30; unqualified; Counter and Dispensing; reliable; recently disengaged; West-End experience; seeks permanency. Write to M. Birch, 8 Cromwell Grove, Wandsworth, S.W. 6.

STANT; qualified (Aust.); 28; married; S.W. experience previous to war; London only. "Horton," 3 Medwin Road, Clapham, S.W. 4.

STANT, Assistant, 27; experience high-class Pharmacy and Dispensing; Manchester, Birmingham, or Buxton district preferred. Apply 157/12, Office of this Paper.

STANT (Hall); ex-N.C.O.; long experience Hospital and Dispensing; disengaged from London Institutional Locums. 4 Battersea Rise, S.W. 11.

STANT (lady) seeks post, London or provinces, with Dispensing, Chemist, or Hospital. Apply P. C. B. 4/27, Office of this Paper.

DISPENSER (lady) seeks post; Hall certificate dated 1909; practised with Institution, Doctors, and Chemists; salary 50s. Reply to "Quest" (163/26), Office of this Paper.

DISPENSER, unqualified, age 22, seeks situation in Ireland (Dublin or North), in Hospital, Shop, or with Doctor; four years Medical Staff, Royal Navy, Dispenser on large ship; at present with two Doctors with large London practice; good references. Apply 135/2, Office of this Paper.

DISPENSER (lady), unqualified, desires post with Doctor or Chemist; 2½ years' experience; Yorkshire preferred. M. Powell, 3 Goosebutt Street, Parkgate, Rotherham.

DISPENSER-BOOKKEEPER desires post shortly with Doctor; six years' experience Doctors and Hospital; last post 4½ years; please state hours, salary, etc. "M., Wissett Place, Halesworth, Suffolk.

DISPENSER-BOOKKEEPER, ETC.—Permanency required; would do Locum; town and country experience; excellent testimonials; disengaged. Strutt, 2 London Road, Hailsham.

DISPENSING, lady (Hall), requires post; Institution experience. "A., 10 Antrim Grove, Haverstock Hill, N.W.

EALING or District (immediately) by lady Dispenser; qualified; experienced; post with Hospital, Doctor, or Provident Dispensary. Apply "Medical," 112 The Grove, Ealing.

ENERGETICALLY active man of over 50 (looks much younger), displaced through demobilisations, seeks position; qualified; well born; well educated; much experienced. Offers to 169/17, Office of this Paper.

EVENING Dispensing; Tuesdays and Fridays; Hall. Miss Roberts, Poplar House, Stauningley, Leeds.

EVENINGS.—Dispenser, unqualified, requires engagement several nights weekly; used N.H.I. work. P. C. B. 5/27, Office of this Paper.

EVENINGS.—Relief work; Counter or Dispensing; qualified. "Dispenser," 22 Chatsworth Road, West Norwood.

EVENING duty; qualified; disengaged at 5.30 p.m. Apply "X. Y. Z., 204 Ebury Street, S.W. 1.

EX-OFFICER, just demobilised, requires berth in good-class Dispensing Business; unqualified; 23; three years' experience. Apply Chemist, Alfrick, Worcester.

EXPERIENCED Dispenser, lady (Hall); thorough experience of Hospital, Institution, and Surgery work; excellent testimonials; in or near London. Apply 157/15, Office of this Paper.

IMPROVER requires situation in London; indoors; disengaged. Apply "Quinine," 1 Weech Road, West Hampstead, N.W. 6.

JUNIOR Assistant seeks situation; Dispensing and Retail experience; please state salary offered and hours; good references. Apply 166/28, Office of this Paper.

JUNIOR (21); three years' experience high-class Dispensing, Retail, Photography; disengaged; Bristol or District preferred. "R. S., 14 Upper Street, Knowle, Bristol.

JUNIOR or Improver, recently demobilised; served three years' Apprenticeship; passed Preliminary; age 21; tall; Photography. O'Dell, 37 Ersham Road, Hailsham, Sussex.

JUNIOR (18); three years' high-class experience; Nottingham preferred; before or after Christmas. Gorse, c/o Higgins, Chemist, Market Place, Salisbury.

JUNIOR.—Young Lady (21), 3 years' Dispensing and Counter experience, desires post; disengaged. Miss R., 31 Mostyn Street, Llandudno.

LADY (23), Dispensing training, desires Clerical work (Medical preferred), Shorthand, Bookkeeping, Domesticated. Apply 167/10, Office of this Paper.

LADY; 26; Pharmacist; 10 years' first-class experience all branches of Pharmacy, including Photography; capable of taking full charge. Apply "Minor," 170 Harehills Avenue, Leeds.

LADY Assistant, unqualified, seeks post with Chemist in London area; knowledge of Dispensing and Counter. 168/4, Office of this Paper.

LADY Assistant; four years in good-class Retail and Dispensing; passed Preliminary; aged 20. K. M. Willcocks, c/o A. S. Willcocks, Chemist, Datchet.

LADY Assistant requires post in Surrey; whole or part-time; 5½ years' Counter experience; Photography; N.H.I. Dispensing. N., 24 Waterloo Road, Sutton, Surrey.

LADY, disengaged, Minor qualification, seeks post with Chemist or Institution; excellent references. 168/370, Office of this Paper.

LADY Dispenser (Hall), Doctor's experience, disengaged through Doctor's death, requires post in Cardiff with Doctor, Chemist, Institution. "Statim," 8 Muriel Terrace, Dowlais.

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SYR. FERRI PHOSPH. CO. B.D.H.

A Triumph of Applied Pharmacy

Appearance : A brilliant syrup of unexceptionable fruity-red colour.

Flavour : Unrivalled. Characterised by suavity, softness, and freedom from the metallic inky taste of ferrous preparations. The displeasing sensation and "cutting" acidity usually associated with free phosphoric acid syrups gives place to an agreeable fruit-like acid flavour.

Keeping Properties : Will remain permanently bright without developing the slightest sediment or filminess. Never ferments.

Supplies : Prompt delivery IN BULK. In packed form restricted by bottle shortage.

INQUIRIES FOR LARGE QUANTITIES ARE INVITED

22-30, Graham Street, City Road,
LONDON, N.I.